

1 KEKER & VAN NEST LLP  
ROBERT A. VAN NEST - # 84065  
2 rvannest@kvn.com  
CHRISTA M. ANDERSON - # 184325  
3 canderson@kvn.com  
DANIEL PURCELL - # 191424  
4 dpurcell@kvn.com  
633 Battery Street  
5 San Francisco, CA 94111-1809  
Telephone: (415) 391-5400  
6 Facsimile: (415) 397-7188

7 KING & SPALDING LLP  
BRUCE W. BABER (pro hac vice)  
8 bbaber@kslaw.com  
1185 Avenue of the Americas  
9 New York, NY 10036  
Telephone: (212) 556-2100  
10 Facsimile: (212) 556-2222

11 Attorneys for Defendant  
GOOGLE INC.

12 UNITED STATES DISTRICT COURT  
13 NORTHERN DISTRICT OF CALIFORNIA  
14 SAN FRANCISCO DIVISION

15 ORACLE AMERICA, INC.,  
16 Plaintiffs,  
17 v.  
18 GOOGLE INC.,  
19 Defendant.

Case No. 3:10-cv-03561 WHA (DMR)

CORRECTED EXHIBIT F TO  
DECLARATION OF EDWARD A. BAYLEY  
IN SUPPORT OF GOOGLE INC.'S  
MOTIONS IN LIMINE NOS. 1-6.  
PART 5 OF 5

Hearing: April 27, 2016  
Dept. Courtroom 8, 19<sup>th</sup> Fl.  
Judge: Hon. William Alsup



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Deposition Testimony

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Electronics Co. Ltd. et al.  
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Francisco Division  
Deposition Testimony

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Deposition Testimony

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Case No. 05-23264-CIV-Graham/O'Sullivan  
United States District Court for the Southern District of Florida  
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AAA Case No. 50 133T00316 06  
Arbitration Testimony

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Deposition Testimony

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Arbitration and Deposition Testimony

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Oil Corporation, Shell Oil Products Company and Texaco Refining &  
Marketing, Inc. v. Unocal Corporation and Union Oil Company of California  
and Union Oil Company of California v. Atlantic Richfield Company, Chevron  
U.S.A., Inc., Exxon Corporation, Mobil Oil Corporation, Shell Oil Products  
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Trial and Deposition Testimony

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United States District Court for the Northern District of California  
Deposition Testimony

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Trial and Deposition Testimony

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Trial and Deposition Testimony

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Inc. v. Tyco International LTD., Tyco International, Inc., Tyco  
Telecommunications, Inc, Tyco Networks, Inc., Lucent Technologies, Inc.,  
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Deposition Testimony

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Trial and Deposition Testimony

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Trial and Deposition Testimony

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Deposition Testimony

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Networks, Inc. et al.  
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United States District Court for the Northern District of California San Jose  
Division  
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Deposition Testimony

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United States District Court for the Northern District of California  
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United States District Court for the Central District of California Southern  
Division  
Case No. CV 04-9049-DOC (RNBx)  
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Trial and Deposition Testimony

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Civil Action No. CV 93-4741 WJR (Sx)  
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Technology, LLC, Sturman Industries, Inc., Sturman Engine Systems, LLC,  
Oded E. Sturman and Carol K. Sturman  
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Division  
Case No. 3:03-1739-17  
Deposition Testimony

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Ltd., Air Europa Lineas Aereas, SAU, AirTran Airways, Inc., Alaska Airlines,  
Inc., Horizon Air Industries, Inc., All Nippon Airways Co., Ltd., Aerovias Del  
Contenente Americano SA, Brendan Airways, LLC, Caribbean Airlines, Ltd.,  
Delta Air Lines, Inc., EgyptAir Airlines, Co., Frontier Airlines, Inc., JetBlue  
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Company QCSC, Alia Royal Jordanian, PLC, TAM, SA, Thai Airways  
International Public Co., Ltd., United Air Lines, Inc., US Airways, Inc., Virgin  
America, Inc.  
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Trial and Deposition Testimony

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Deposition Testimony

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Deposition Testimony

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Trial and Deposition Testimony

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United States District Court for the Eastern District of Texas Tyler Division

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Deposition Testimony

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United States District Court for the Eastern District of Texas Tyler Division

Case No. 6:11-cv-00343-LED

Trial and Deposition Testimony

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United States District Court for the Eastern District of Texas Tyler Division

Case No. 6:12-cv-578-LED

Deposition Testimony

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Case No. 1:12-cv-04968 (consolidated with 07091 and 08632)  
United States District Court for the Northeastern District of Illinois Eastern  
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Civil Action No. 93 C-4788  
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Case No. C 96-3296 FMS  
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*et al.*  
Civil Action No. 2:09-cv-00555  
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United States District Court for the Northern District of California  
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United States District Court for the Northern District of California San Jose  
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Enterasys Networks, Inc. v. Extreme Networks, Inc.  
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United States District Court for the Western District of Wisconsin  
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Civil Action No. 92-CIV-7530 (LLS)  
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Inc. and related parties)  
Civil Action No. 6:09cv203  
United States District Court for the Eastern District of Texas Tyler Division  
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Georgia-Pacific Corp. v. United States Gypsum Co. and L&W Supply Co.  
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Immunocept, LLC, Patrice Anne Lee, and James Reese Matson v. Fullbright &  
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Cause No. A 05 CA 334 SS  
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In Re Gabapentin Patent Litigation  
MDL Docket No. 1384 (FSH)  
Master Civil Action No. 00-2931 (FSH)  
On behalf of Defendants Teva Pharmaceutical Industries Ltd. and IVAX  
Corporation and related parties  
United States District Court for the District of New Jersey  
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In Re Nortel Networks Inc. et al. and  
In the Matter of the Companies' Creditors Arrangement Act  
Case No. 09-10138 (KG) and R.S.C. 1985, c. C-36  
United States Bankruptcy Court for the District of Delaware and the Ontario  
Superior Court of Justice





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In the Matter of Certain Electronic Devices with Graphics Data Processing  
Systems, Components Thereof, and Associated Software  
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On behalf of Respondent Apple Inc.  
United States International Trade Commission  
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In the Matter of Certain Semiconductor Chips with Minimized Chip Package  
Size and Products Containing Same (III)  
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On behalf of Respondents Acer, Nanya and Powerchip  
United States International Trade Commission  
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In the Matter of Certain Short-Wavelength Light Emitting Diodes, Laser Diodes,  
and Products Containing Same  
Investigation No. 337-TA-640  
On behalf of Respondent Panasonic  
United States International Trade Commission  
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In the Matter of Certain Wiper Blades  
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On behalf of Respondents  
United States International Trade Commission  
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InLine Connection, Corp v. Earthlink, Inc.  
Civil Action 02-477  
United States District Court for the District of Delaware  
Deposition Testimony

Innovention Toys, LLC v. MGA Entertainment, Inc., Wal-Mart Stores, Inc. and  
Toys 'R Us, Inc.  
Civil Action No. 07-6510  
United States District Court for the Eastern District of Louisiana  
Trial and Deposition Testimony

InterDigital Technology Corporation v. Motorola, Inc.  
Civil Action No. 94-73



United States District Court for the District of Delaware  
Trial and Deposition Testimony

Invensas Corporation v. Renesas Electronics Corporation and Renesas  
Electronics America, Inc.  
Case No. 11-cv-00448-GMS  
United States District Court for the District of Delaware  
Deposition Testimony

Invention Capital Partners v. Phoenix Technologies Ltd., Marlin Equity  
Partners, et. al  
Case No: 113CV242491  
Superior Court of the State of California County of Santa Clara  
Deposition Testimony

Isogon Corporation v. Amdahl Corporation  
Civil Action No. 97 CIV 6219 (SAS)  
United States District Court for the Southern District of New York  
Deposition Testimony

J.M. Voith GmbH v. Beloit Corp.  
Civil Action No. 93C-0902C  
United States District Court for the Western District of Wisconsin  
Trial Testimony

J.M. Voith GmbH v. Beloit Corp.  
Civil Action No. 93C-0905C  
United States District Court for the Western District of Wisconsin  
Trial and Deposition Testimony

Jamdat Mobile, Inc. v. JAMSTER International Sarl, Ltd; JAMBA! GMBH; and  
Verisign, Inc.  
Civil Action No. CV05-3945 PA (FMOx)  
Deposition Testimony

Jenner & Block LLP v. Parallel Networks, LLC and EpicRealm Licensing LP  
JAMS Arbitration No. 1310019934  
Arbitration and Deposition Testimony

John W. Evans, et al. v. General Motors Corporation  
Docket # X06-CV-94-0156090S  
Superior Court of Connecticut Judicial District of Waterbury  
Deposition Testimony

Joy Recovery Technology Corp. v. The Penn Central Corp. and Carol Cable  
Company, Inc., aka General Cable Industries, Inc.  
Civil Action No. 93 C 0992  
Deposition Testimony

K-Tube Corp. v. Sterling Stainless Tube Corp. et al.  
Case No. CV 90 1653 JLQ (M)  
Trial and Deposition Testimony



Kay-Cee Enterprises, Inc. v. Amoco Oil Company  
Civil Action No. 97-2406 (JWL)  
United States District Court for the District of Kansas  
Trial and Deposition Testimony

Kennecott Corporation v. Kyocera International  
Civil Action No. 80-0516 R (M)  
United States District Court for the Southern District of California  
Deposition Testimony

Kimberly-Clark Corporation v. Cardinal Health 200, LLC  
Civil Action No. 1:10 CV-0034-CAP  
United States District Court Northern District of Georgia, Atlanta Division  
Deposition Testimony

Kinetic Concepts, Inc., KCI Licensing, Inc., KCI USA, Inc. and Wake Forest  
University Health Services v. Bluesky Medical Group, Inc., Richard Weston,  
Medela AG, Medela, Inc., and Patient Care Systems, Inc.  
Civil Action SA-03-CA-0832-RG  
United States District Court Western District of Texas San Antonio Division  
Trial and Deposition Testimony

Kinetic Concepts, Inc., KCI Licensing, Inc., KCI USA, Inc. and Wake Forest  
University Health Services v. Bluesky Medical Group, Inc. and Smith &  
Nephew, Inc.  
Case No. SA:08-CV-00102-WRF  
United States District Court Western District of Texas San Antonio Division  
Preliminary Injunction Hearing, Trial and Deposition Testimony

Kinetic Concepts, Inc., KCI Licensing, Inc., KCI USA, Inc., KCI Medical  
Resources, Medical Holdings Limited, KCI Manufacturing and Wake Forest  
University Health Sciences v. Convatec, Inc., Boehringer Wound Systems, LLC  
and Boehringer Technologies, LP  
Civil Action No. 1:08-CV-00918-WO-LPA  
United States District Court for the Middle District of North Carolina  
Deposition Testimony

Kruse Technology Partnership v. Caterpillar, Inc.  
Case No. CV 04-10435  
United States District Court for the Central District of California  
Deposition Testimony

Keurig, Inc. v. Kraft Foods Global, Inc., Tassimo Corp., and Kraft Foods Inc.  
C.A. No. 07-17 (GMS)  
United States District Court for the District of Delaware  
Deposition Testimony

Leo Pharma A/S v. Tolmar, Inc. et al.  
United States District Court for District of Delaware  
C.A. No. 10-269 (SLR)  
Deposition Testimony





Lincoln Electric Company, et al. v. National Standard, LLC  
No. 1:09-cv-01886-DCN  
United States District Court of Ohio Eastern Division  
Deposition Testimony

LNP Engineering Plastics, Inc. and Kawasaki Chemical Holding Co., Inc. v.  
Miller Waste Mills, Inc. trading as RTP Company  
Civil Action No. 96-462 (RRM)  
United States District Court for the District of Delaware  
Trial Testimony

Lucent Technologies Inc. v. Extreme Networks, Inc.  
Civil Action No. 03-508 (JJF)  
United States District Court for the District of Delaware  
Trial and Deposition Testimony

Lunar Corp. & The UAB Research Foundation v. EG&G Astrophysics Research  
Corp.  
Civil Action No. 96-C-199-S  
Trial Testimony

Matsushita Electric Industrial Co., Ltd. v. MediaTek, Inc., Oppo Digital., and  
Micro-Star International Computer Corp.  
Case No. C05-03148 MMC  
United States District Court for the Northern District of California San  
Francisco Division  
Deposition Testimony

McKinley v. Zdeb  
Civil Action No. 99-S-1178  
United States District Court for the District of Colorado  
Fact Deposition Testimony

Medgraph, Inc. v. Medtronic, Inc.  
Case No. 6:09-cv-06610-DGL-MWP  
United States District Court for the Western District of New York  
Rochester Division  
Deposition Testimony

Medtronic Xomed, Inc. v. Gryus ENT LLC  
Case No.: 3:04CV400-J-32 MCR  
United States District Court for the Middle District of Florida  
Jacksonville Division  
Deposition Testimony

MEI, Inc. v. JCM American Corp & Japan Cash Machine Co. Ltd.  
United States District Court for the District of New Jersey  
Civil Action No. 09-00351  
Deposition Testimony

Message Phone, Inc. v. SVI Systems, Inc. and Tharaldson Properties



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Trial Testimony

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Case No. CV 08-0457 DOC (RNBx)  
United States District Court for the Central District of California Southern Division  
Deposition Testimony

Military Professional Services, Inc. v. BancOhio National Bank  
Civil Action No. 91-5032  
Deposition Testimony

Minebea Co., Ltd., Precision Motors Deutsche Minebea GmbH, and Nippon Miniature Bearing Corp. v. George Papst, Papst Licensing GmbH, and Papst Licensing Verwaltungsgesellschaft MIT Beschränkter Haftung  
Civil Action No. 97-CV-590 (PLF)  
Trial and Deposition Testimony

Mitek Surgical Products, Inc. v. Arthrex, Inc.  
Case No. 1:96CV 0087S  
United States District Court for the District of Utah, Central Division  
Deposition Testimony

Mitsubishi Electric Corp., Koninklijke Philips N.V., Thomson Licensing, GE Technology Development, Inc. Panasonic Corporation and Sony Corporation v. Sceptre, Inc.  
Case No. 2:14-cv-04994-ODW-AJW  
United States District Court for the Central District of California  
Deposition Testimony

Money Suite Company v. Insurance Answer Center, LLC; Answer Financial, Inc.; AllState Insurance Company; Esurance Insurance Services, Inc.  
United States District Court Central District of California Southern Division  
Deposition Testimony

Motorola, Inc. v. InterDigital Technology Corporation  
Civil Action No. 93-488  
United States District Court for the District of Delaware  
Trial and Deposition Testimony

Nellcor Puritan Bennett, LLC v. CAS Medical Systems, Inc.  
Case No. 2:11-CV-15697  
United States District Court for the Eastern District of Michigan Southern Division  
Deposition Testimony

Netlist, Inc. v. Diablo Technologies, Inc.  
Civil Action No. 4:13-CV-05962-YGR



United States District Court for the Central District of California Oakland  
Division  
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Nomadix, Inc. v. Hewlett-Packard Company, et al.  
Civil Action No. CV09-08441 DDP(VBKx)  
United States District Court for the Central District of California Western  
Division  
Deposition Testimony

Nomix Corporation v. Quikrete Companies, Inc.  
Civil Action No. H88-463-AHN  
Trial and Deposition Testimony

Orthofix, Inc., et al v. EBI Medical Systems, Inc., et al.  
Civil Action No. 95-6035 (SMO)  
United States District Court for the District of New Jersey  
Trial and Deposition Testimony

Pharmacia & Upjohn Company, LLC v. Sicor Inc. and Sicor Pharmaceuticals,  
Inc.  
Civil Action No. 04-833 (KAJ)  
United States District Court for the District of Delaware  
Deposition Testimony

Picker International, Inc. v. Mayo Foundation, et al.  
Case No. 95-CV-2028  
United States District Court for the Northern District of Ohio, Eastern Division  
Trial and Deposition Testimony

Penda Corporation v. United States of America and Cadillac Products, Inc.  
Case No. 473-89-C  
United States Court of Federal Claims  
Trial and Deposition Testimony

Peter Daou and James Boyce v. Arianna Huffington, Kenneth Lerer and  
TheHuffingtonPost.com, Inc.  
Index No. 651997/2010  
Supreme Court of the State of New York, County of New York  
Deposition Testimony

Power Integrations, Inc. v. Fairchild Semiconductor International, Inc., Fairchild  
Semiconductor Corporation and System General Corporation  
Case No. 3:09-cv-05235-MMC  
United States District Court for the Northern District of California  
Trial and Deposition Testimony

Powertech Technology, Inc. v. Tessera, Inc.  
Case No. CV10-00945EMC  
United States District Court for the Northern District of California  
Deposition Testimony





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Technology Materials, Inc.  
Civil Action No. 03-1158-SLR  
United States District Court District of Delaware  
Deposition Testimony

Prism Technologies, LLC v. AT&T Mobility, LLC  
Civil Action No. 8:12-cv-122-LES-TDT  
United States District Court of Nebraska  
Deposition Testimony

Prism Technologies, LLC v. T-Mobile USA, Inc.  
Civil Action No. 8:12-cv-00124  
United States District Court of Nebraska  
Trial and Deposition Testimony

Prism Technologies, LLC v. Sprint Spectrum L.P. d/b/a/ Sprint PCS  
Civil Action No. 8:12-cv-123-LES-TDT  
United States District Court of Nebraska  
Trial and Deposition Testimony

The Procter & Gamble Company v. Paragon Trade Brands, Inc.  
Civil Action No. 94-16-LON  
United States District Court for the District of Delaware  
Trial and Deposition Testimony

QR Spex, Inc. and Thomas G. Swab v. Motorola, Inc. and Frog Design, Inc.  
Civil Action No 03-6284 JFW (FMOx)  
United States District Court for the Central District of California  
Deposition Testimony

Qualcomm, Inc. v. InterDigital Communications Corporation  
Case No. 93-1091G (LSP)  
Deposition Testimony

Quickie, LLC v. Medtronic, Inc.  
Civil Action No. 02 CV 1157 (GEL)  
United States District Court for the Southern District of New York  
Deposition Testimony

Radware, LTD, and Radware, Inc. v. F5 Networks, Inc.  
Civil Action No. 5:13-cv-02024 RMW  
United States District Court for the Southern District of California San Jose  
Division  
Deposition Testimony

Remcor v. Scotsman/Booth  
Civil Action No. 93 C 1822  
United States District Court for the Northern District of Illinois, Eastern  
Division  
Deposition Testimony



Remcor v. Servend  
Civil Action No. 93 C 1823  
United States District Court for the Northern District of Illinois, Eastern  
Division  
Deposition Testimony

Rensselaer Polytechnic Institute and Dynamic Advances, LLC v. Apple Inc.  
Case No 1:13-cv-00633 (DNH/DEP)  
United States District Court for the Northern District of New York  
Deposition Testimony

Research Corporation Technologies, Inc. v. Hewlett-Packard Company  
Civil Action No. CIV 95-490-TUC-JMR  
United States District Court for the District of Arizona  
Deposition Testimony

Rommy Hunt Revson v. The Limited, Inc. et al.  
Civil Action No. 90-3840 (MGC)  
Deposition Testimony

Ronald A. Katz Technology Licensing, LP v. Ameren Corporation; Union  
Electric Company; Central Illinois Public Service Company; Cilcorp, Inc.;  
Central Illinois Light Company  
Case No. 07-4955 RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

Ronald A. Katz Technology Licensing, LP v. AOL, LLC, CompuServe  
Interactive Services and Netscape Communications Corporation  
CV 07-2134 RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

Ronald A. Katz Technology Licensing, LP v. Cablevision Systems Corporation  
et. al.  
Case No. 2:07-ML-01816 / 02314 RGK-FFM  
United States District Court for the Central District of California  
Deposition Testimony

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Charter Communications Holding Company, LLC; Charter Communications  
Operating, LLC; and Charter Communications Entertainment I, LLC  
CV 07-2134 RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

Ronald A. Katz Technology Licensing, LP v. CIGNA Corporation, CIGNA  
Health Corporation, CIGNA HealthCare of Delaware, Inc., Tel-Drug of  
Pennsylvania, LLC and Tel-Drug, Inc.  
CV 07-2192 RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony



Ronald A. Katz Technology Licensing, LP v. Comcast Corporation, Sirius-XM Radio, Inc., et al.  
NO. 2:07-ML-01816-C RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

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Case No. 07-ml-01816-B RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

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Case No. 07-4960 RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

Ronald A. Katz Technology Licensing, LP v. Time Warner Cable Inc., Time Warner NY Cable LLC and Time Warner Entertainment Company, L.P.  
CV 07-2134 RGK (FFMx)  
United States District Court for the Central District of California  
Deposition Testimony

Ronald A. Katz Technology Licensing, LP v. United States Cellular Corporation, TDS Telecommunications Corporation and TDS Metrocom, LLC  
Case No.07-ML-01816-B-RGK (FFMX)  
United States District Court for the Central District of California  
Deposition Testimony

Rosetta Stone Ltd. v. Google Inc.  
Civil Action No. 1:09 CV 736 GBL / JFA  
United States District Court for the Eastern District of Virginia  
Deposition Testimony

RWM Kinetic Enterprises, Inc. and Thomas J. Ring v. Kinetic Concepts, Inc. and KCI Therapeutic Services, Inc.  
Case No. SA-96-CA-603-OG  
United States District Court for the Western District of Texas San Antonio Division  
Trial Testimony

Saxon Innovations, LLC v. Nokia Corp, et al. (including Samsung Electronics, Co. and related parties)  
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Deposition Testimony

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United States District Court for the Western District of Wisconsin  
Deposition Testimony

Silicon Image, Inc. v. Analogix Semiconductor, Inc.  
Case No. C 07-00635 JCS  
United States District Court for the Northern District of California, San  
Francisco Division  
Deposition Testimony

Site Microsurgical Systems v. The Cooper Companies  
Civil Action S92-766  
Deposition Testimony

SmartPhone Technologies, LLC v. Research In Motion Corp. et. al (on behalf  
LG Electronics, Inc. and LG Electronics USA, Inc.)  
Civil Action No. 6:10cv74-LED  
United States District Court Eastern District of Texas Tyler Division  
Deposition Testimony

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Photo Film U.S.A., Inc., Fujifilm America, Inc., et al.  
Civil Action No. 03-241 JJF  
United States District Court for the District of Delaware  
Trial and Deposition Testimony

STMicroelectronics, Inc. v. SanDisk Corp.  
C.A. No. 4:05CV44  
United States District Court of Texas Sherman Division  
Deposition Testimony

STMicroelectronics, Inc. v. SanDisk Corp.  
C.A. No. 4:05CV45  
United States District Court of Texas Sherman Division  
Deposition Testimony

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Civil Action CV-95-1750  
Deposition Testimony

Technol Medical Products, Inc., et al v. Robert Busse & Co., Inc.  
Civil Action No. 3:94-CV-2284-X  
Deposition Testimony

Tekmira Pharmaceuticals Corporation and Protiva Pharmaceuticals, Inc. v.  
Alnylam Pharmaceuticals, Inc. and AICana Technologies, Inc.  
Civil Action No. 11-1010-BLS2  
Massachusetts Superior Court for Suffolk County  
Deposition Testimony

Tessera, Inc. v. Advanced Micro Devices, Inc. et al,  
Case No. 4:05-cv-04063-CW



United States District Court for Northern District of California Oakland Division  
Deposition Testimony

Tessera, Inc. v. UTAC (Taiwan) Corporation  
Case No.: 5:10-cv-04435-EJD  
United States District Court for Northern District of California San Jose  
Division  
Deposition Testimony

Therma-Tru Corporation v. Caradon Peachtree, Inc.  
Civil Action No. 95-CV-75534-DT  
Deposition Testimony

Toro Company v. MTD Products Inc., MTD Consumer Group Inc., and Cub  
Cadet LLC  
Civil Action No 10-cv-007-JNE-TNL  
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Deposition Testimony

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CaptionCall, LLC  
Case No.: 3:14-cv-66-BBC  
United States District Court for the Western District of Wisconsin  
Trial and Deposition Testimony

Unwired Planet, LLC v. Apple, Inc.  
Case No. 3:13-cv-4134-VC  
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Francisco Division  
Deposition Testimony

Valmet Paper Machinery, Inc. and Valmet-Charlotte, Inc. v. Beloit Corporation  
Civil Action No. 93-C-587-C  
United States District Court for the Western District of Wisconsin  
Trial and Deposition Testimony

Verinata Health, Inc. and the Board of Trustees of the Leland Stanford Junior  
University v. Sequenom, Inc. and Sequenom Center for Molecular Medicine,  
LLC.  
Case No. 3:12-cv-00865-SI  
Deposition Testimony

Volterra Semiconductor Corporation v. Primarion, Inc., Infineon Technologies  
AG and Infineon Technologies North America Corporation  
Case No. C 08-05129 CRB  
United States District Court for the Northern District of California San  
Francisco Division  
Deposition Testimony

Wang Laboratories, Inc. v. America Online, Inc. and Netscape Communications  
Corporation  
Civil Action No. 97-1628-A



United States District Court for the Eastern District of Virginia  
Deposition Testimony

Wang Laboratories, Inc. v. FileNet Corporation  
Civil Action No. 94-12141-RCL  
Deposition Testimony

Waukesha Cherry-Burrell v. Wrightech Corporation  
Civil Action No. 96-CV-00384  
Deposition Testimony

Zenith Electronics LLC, Panasonic Corporation, U.S., Philips Corporation, and  
the Trustees of Columbia University in the City of New York v. Sceptre, Inc.  
Case No. 9:13-CV-80567  
United States District Court for the Central District of California  
Deposition Testimony

Zenith Electronics LLC v. Vizio, Inc.; Westinghouse Digital Electronics LLC, et  
al.  
No. 5:06CV246-DF  
United States District Court for the Eastern District of Texas  
Texarkana Division  
Deposition Testimony

ZiiLabs Inc., Ltd. V. Samsung Electronics Co. Ltd (and related Samsung parties)  
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Temples Housing a Transceiver Forming Ad Hoc Networks with Other Devices,  
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**CONTACT**

James E. Malackowski  
Chairman and Chief Executive Officer  
Ocean Tomo, LLC  
200 West Madison  
37<sup>th</sup> Floor  
Chicago, Illinois 60606

312-327-4410 Direct  
312-327-4401 Facsimile  
312-560-8500 Personal  
[jmalackowski@oceantomo.com](mailto:jmalackowski@oceantomo.com)

Oracle America, Inc. v. Google, Inc.

**DOCUMENTS CONSIDERED**

Exhibit 2

I was provided with access to a Relativity database of materials produced in this case. I reviewed the documents provided therein through keyword searches. The following list contains many of the documents I reviewed in that database, as well as other documents provided to me by counsel, though it should not be considered comprehensive.

**Documents Produced by Google**

GOOG-00022379	GOOG-00132535	GOOG-00147537 - GOOG-00147538	GOOG-00147618
GOOG-00022380	GOOG-00132625	GOOG-00147539	GOOG-00147619
GOOG-00022381	GOOG-00132648	GOOG-00147542	GOOG-00147620
GOOG-00022382	GOOG-00132649 - GOOG-00132663	GOOG-00147545	GOOG-00147621
GOOG-00022383	GOOG-00132664 - GOOG-00132680	GOOG-00147546	GOOG-00147622
GOOG-00022384	GOOG-00132945 - GOOG-00132946	GOOG-00147547	GOOG-00147623
GOOG-00022385	GOOG-00132947	GOOG-00147548	GOOG-00147624
GOOG-00022386	GOOG-00132948	GOOG-00147549 - GOOG-00147553	GOOG-00147625
GOOG-00022387	GOOG-00132949	GOOG-00147554	GOOG-00147626
GOOG-00022388	GOOG-00132950	GOOG-00147555	GOOG-00147627
GOOG-00100278 - GOOG-00100300	GOOG-00132951	GOOG-00147556	GOOG-00147628
GOOG-00100278 - GOOG-00100301	GOOG-00132952	GOOG-00147557	GOOG-00147630 - GOOG-00147631
GOOG-00100302 - GOOG-00100310	GOOG-00132953	GOOG-00147558	GOOG-00147632
GOOG-00100302 - GOOG-00100311	GOOG-00132954	GOOG-00147559	GOOG-00147633
GOOG-00100312 - GOOG-00100330	GOOG-00132955 - GOOG-00132984	GOOG-00147560 - GOOG-00147568	GOOG-00147634
GOOG-00100331 - GOOG-00100362	GOOG-00132985	GOOG-00147570	GOOG-00147635
GOOG-00100363 - GOOG-00100387	GOOG-00133824	GOOG-00147571	GOOG-00147636
GOOG-00100388	GOOG-00133825 - GOOG-00133856	GOOG-00147572	GOOG-00147637 - GOOG-00147641
GOOG-00100389	GOOG-00133857	GOOG-00147574	GOOG-00147642
GOOG-00100390	GOOG-00133858	GOOG-00147576	GOOG-00147643
GOOG-00100391 - GOOG-00100408	GOOG-00133879	GOOG-00147577	GOOG-00147644 - GOOG-00147647
GOOG-00100409 - GOOG-00100432	GOOG-00133880 - GOOG-00133930	GOOG-00147578 - GOOG-00147580	GOOG-00147648
GOOG-00100518 - GOOG-00100523	GOOG-00133931 - GOOG-00133975	GOOG-00147581	GOOG-00147649
GOOG-00100569 - GOOG-00100589	GOOG-00137821 - GOOG-00137823	GOOG-00147583	GOOG-00147650
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GOOG-00132501 - GOOG-00132507	GOOG-00147535	GOOG-00147614	GOOG-00147711
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Oracle America, Inc. v. Google, Inc.  
DOCUMENTS CONSIDERED  
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Documents Produced by Google

GOOG-00147721	GOOG-00147807	GOOG-00147871	GOOG-00147930
GOOG-00147723	GOOG-00147808	GOOG-00147872	GOOG-00147931
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GOOG-00147729	GOOG-00147815	GOOG-00147879	GOOG-00147938
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GOOG-00147732 - GOOG-00147733	GOOG-00147817	GOOG-00147881	GOOG-00147940
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Oracle America, Inc. v. Google, Inc.

**DOCUMENTS CONSIDERED**

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**Documents Produced by Google**

GOOG-00276658 - GOOG-00276675	GOOG-1000068 - GOOG-1000073	GOOG-10000600 - GOOG-10000603	GOOG-10001081 - GOOG-10001093
GOOG-00277550 - GOOG-00277585	GOOG-10000074 - GOOG-10000077	GOOG-10000604 - GOOG-10000615	GOOG-10001094 - GOOG-10001096
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GOOG-00278859 - GOOG-00278882	GOOG-10000119 - GOOG-10000132	GOOG-10000639 - GOOG-10000641	GOOG-10001192 - GOOG-10001267
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GOOGLE-00-00000061 - GOOGLE-00-00000072	GOOGLE-00303723	GOOGLE-00305054 - GOOGLE-00305057	GOOGLE-00305171 - GOOGLE-00305174
GOOGLE-00-00000073	GOOGLE-00303724	GOOGLE-00305058 - GOOGLE-00305059	GOOGLE-00305175 - GOOGLE-00305189
GOOGLE-00-00000074	GOOGLE-00303725 - GOOGLE-00303756	GOOGLE-00305060 - GOOGLE-00305061	GOOGLE-00305190 - GOOGLE-00305193
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GOOGLE-00303709	GOOGLE-00304460 - GOOGLE-00304480	GOOGLE-00305150 - GOOGLE-00305151	GOOGLE-00305331 - GOOGLE-00305332
GOOGLE-00303710	GOOGLE-00304508 - GOOGLE-00304512	GOOGLE-00305152 - GOOGLE-00305153	GOOGLE-00305333 - GOOGLE-00305334
GOOGLE-00303711	GOOGLE-00304959	GOOGLE-00305154 - GOOGLE-00305155	GOOGLE-00305335 - GOOGLE-00305336
GOOGLE-00303712	GOOGLE-00305018 - GOOGLE-00305020	GOOGLE-00305156 - GOOGLE-00305158	GOOGLE-00305337 - GOOGLE-00305338
GOOGLE-00303713	GOOGLE-00305021	GOOGLE-00305159 - GOOGLE-00305160	GOOGLE-00305339 - GOOGLE-00305340
GOOGLE-00303714	GOOGLE-00305022 - GOOGLE-00305029	GOOGLE-00305161 - GOOGLE-00305162	GOOGLE-00305341 - GOOGLE-00305342
GOOGLE-00303715	GOOGLE-00305030	GOOGLE-00305163	GOOGLE-00305343 - GOOGLE-00305344
GOOGLE-00303716	GOOGLE-00305031 - GOOGLE-00305047	GOOGLE-00305164	GOOGLE-00305345 - GOOGLE-00305346
GOOGLE-00303717 - GOOGLE-00303721	GOOGLE-00305048 - GOOGLE-00305049	GOOGLE-00305165 - GOOGLE-00305167	GOOGLE-00305347 - GOOGLE-00305348
GOOGLE-00303722	GOOGLE-00305050 - GOOGLE-00305051	GOOGLE-00305168 - GOOGLE-00305169	GOOGLE-00305349 - GOOGLE-00305350
GOOGLE-00303726	GOOGLE-00305052 - GOOGLE-00305053	GOOGLE-00305170	



Oracle America, Inc. v. Google, Inc.

**DOCUMENTS CONSIDERED**

Exhibit 2

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**Documents Produced by Google**

GOOGLE-00392766 - GOOGLE-00392770	GOOGLE-00393006 - GOOGLE-00393009	GOOGLE-00395603	GOOGLE-00395901
GOOGLE-00392771 - GOOGLE-00392774	GOOGLE-00393010 - GOOGLE-00393013	GOOGLE-00395604	GOOGLE-00395902 - GOOGLE-00395903
GOOGLE-00392775 - GOOGLE-00392778	GOOGLE-00393014 - GOOGLE-00393018	GOOGLE-00395605	GOOGLE-00395904 - GOOGLE-00395906
GOOGLE-00392779 - GOOGLE-00392782	GOOGLE-00393019 - GOOGLE-00393022	GOOGLE-00395606 - GOOGLE-00395612	GOOGLE-00395907 - GOOGLE-00395908
GOOGLE-00392783 - GOOGLE-00392786	GOOGLE-00393023 - GOOGLE-00393026	GOOGLE-00395613	GOOGLE-00395909 - GOOGLE-00395913
GOOGLE-00392787 - GOOGLE-00392790	GOOGLE-00393027 - GOOGLE-00393031	GOOGLE-00395614	GOOGLE-00395914 - GOOGLE-00395918
GOOGLE-00392791 - GOOGLE-00392795	GOOGLE-00393036 - GOOGLE-00393039	GOOGLE-00395615	GOOGLE-00395919 - GOOGLE-00395940
GOOGLE-00392796 - GOOGLE-00392800	GOOGLE-00393040 - GOOGLE-00393046	GOOGLE-00395616	GOOGLE-00395941
GOOGLE-00392801 - GOOGLE-00392805	GOOGLE-00393047 - GOOGLE-00393054	GOOGLE-00395617 - GOOGLE-00395620	GOOGLE-00395942
GOOGLE-00392806 - GOOGLE-00392809	GOOGLE-00393055 - GOOGLE-00393058	GOOGLE-00395621 - GOOGLE-00395625	GOOGLE-00395943 - GOOGLE-00395944
GOOGLE-00392810 - GOOGLE-00392813	GOOGLE-00393059 - GOOGLE-00393063	GOOGLE-00395626 - GOOGLE-00395629	GOOGLE-00395945 - GOOGLE-00395949
GOOGLE-00392814 - GOOGLE-00392817	GOOGLE-00393064 - GOOGLE-00393075	GOOGLE-00395630 - GOOGLE-00395636	GOOGLE-00395950 - GOOGLE-00395957
GOOGLE-00392818 - GOOGLE-00392821	GOOGLE-00393086 - GOOGLE-00393099	GOOGLE-00395637 - GOOGLE-00395668	GOOGLE-00395958
GOOGLE-00392822 - GOOGLE-00392825	GOOGLE-00393100 - GOOGLE-00393126	GOOGLE-00395669 - GOOGLE-00395682	GOOGLE-00395959
GOOGLE-00392826 - GOOGLE-00392830	GOOGLE-00393127 - GOOGLE-00393140	GOOGLE-00395683 - GOOGLE-00395695	GOOGLE-00395960 - GOOGLE-00395980
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GOOGLE-00392841 - GOOGLE-00392844	GOOGLE-00393187 - GOOGLE-00393199	GOOGLE-00395727 - GOOGLE-00395758	GOOGLE-00395983
GOOGLE-00392845 - GOOGLE-00392848	GOOGLE-00393210 - GOOGLE-00393222	GOOGLE-00395727 - GOOGLE-00395790	GOOGLE-00395984
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GOOGLE-00392853 - GOOGLE-00392856	GOOGLE-00393249 - GOOGLE-00393258	GOOGLE-00395777	GOOGLE-00395986 - GOOGLE-00395987
GOOGLE-00392857 - GOOGLE-00392860	GOOGLE-00393316 - GOOGLE-00393324	GOOGLE-00395778 - GOOGLE-00395782	GOOGLE-00395988
GOOGLE-00392861 - GOOGLE-00392879	GOOGLE-00393343 - GOOGLE-00393357	GOOGLE-00395783	GOOGLE-00395989 - GOOGLE-00396007
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GOOGLE-00392910 - GOOGLE-00392913	GOOGLE-00395147 - GOOGLE-00395170	GOOGLE-00395834	GOOGLE-00396037
GOOGLE-00392914 - GOOGLE-00392918	GOOGLE-00395171 - GOOGLE-00395187	GOOGLE-00395835	GOOGLE-00396038 - GOOGLE-00396047
GOOGLE-00392919 - GOOGLE-00392923	GOOGLE-00395188 - GOOGLE-00395205	GOOGLE-00395836	GOOGLE-00396048 - GOOGLE-00396051
GOOGLE-00392924 - GOOGLE-00392928	GOOGLE-00395188 - GOOGLE-00395210	GOOGLE-00395837	GOOGLE-00396052 - GOOGLE-00396056
GOOGLE-00392929 - GOOGLE-00392933	GOOGLE-00395206	GOOGLE-00395838	GOOGLE-00396057
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GOOGLE-00392939 - GOOGLE-00392951	GOOGLE-00395207 - GOOGLE-00395290	GOOGLE-00395841 - GOOGLE-00395869	GOOGLE-00396060 - GOOGLE-00396075
GOOGLE-00392952 - GOOGLE-00392957	GOOGLE-00395249	GOOGLE-00395870 - GOOGLE-00395874	GOOGLE-00396076 - GOOGLE-00396079
GOOGLE-00392958 - GOOGLE-00392961	GOOGLE-00395250	GOOGLE-00395875	GOOGLE-00396080
GOOGLE-00392962 - GOOGLE-00392965	GOOGLE-00395251	GOOGLE-00395876	GOOGLE-00396081
GOOGLE-00392966 - GOOGLE-00392969	GOOGLE-00395252 - GOOGLE-00395253	GOOGLE-00395877	GOOGLE-00396082
GOOGLE-00392970 - GOOGLE-00392974	GOOGLE-00395254 - GOOGLE-00395258	GOOGLE-00395878 - GOOGLE-00395881	GOOGLE-00396083
GOOGLE-00392975 - GOOGLE-00392979	GOOGLE-00395259	GOOGLE-00395882	GOOGLE-00396084 - GOOGLE-00396086
GOOGLE-00392980 - GOOGLE-00392983	GOOGLE-00395260	GOOGLE-00395883 - GOOGLE-00395888	GOOGLE-00396087
GOOGLE-00392984 - GOOGLE-00392987	GOOGLE-00395261	GOOGLE-00395889 - GOOGLE-00395894	GOOGLE-00396088 - GOOGLE-00396090
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GOOGLE-00392993 - GOOGLE-00392997	GOOGLE-00395273 - GOOGLE-00395599	GOOGLE-00395897	GOOGLE-00396094
GOOGLE-00392998 - GOOGLE-00393001	GOOGLE-00395600	GOOGLE-00395898	GOOGLE-00396095 - GOOGLE-00396098
GOOGLE-00393002 - GOOGLE-00393005	GOOGLE-00395601	GOOGLE-00395899	GOOGLE-00396099 - GOOGLE-00396116
GOOGLE-00396119 - GOOGLE-00396128	GOOGLE-00395602	GOOGLE-00395900	GOOGLE-00396117 - GOOGLE-00396118

Oracle America, Inc. v. Google, Inc.

**DOCUMENTS CONSIDERED**

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**Documents Produced by Google**

GOOGLE-00396129	GOOGLE-01-00017222 - GOOGLE-01-00017227	GOOGLE-01-00028522 - GOOGLE-01-00028523	GOOGLE-01-00056184 - GOOGLE-01-00056187
GOOGLE-00396130 - GOOGLE-00396131	GOOGLE-01-00017250 - GOOGLE-01-00017251	GOOGLE-01-00029329 - GOOGLE-01-00029330	GOOGLE-01-00056184 - GOOGLE-01-00056202
GOOGLE-00396132 - GOOGLE-00396145	GOOGLE-01-00017298	GOOGLE-01-00029331 - GOOGLE-01-00029332	GOOGLE-01-00056188 - GOOGLE-01-00056202
GOOGLE-00396146	GOOGLE-01-00017299 - GOOGLE-01-00017365	GOOGLE-01-00030050 - GOOGLE-01-00030054	GOOGLE-01-00056539
GOOGLE-00396147 - GOOGLE-00396149	GOOGLE-01-00017302	GOOGLE-01-00030157 - GOOGLE-01-00030164	GOOGLE-01-00056539 - GOOGLE-01-00056557
GOOGLE-00396150 - GOOGLE-00396159	GOOGLE-01-00018140	GOOGLE-01-00030202 - GOOGLE-01-00030209	GOOGLE-01-00056540 - GOOGLE-01-00056557
GOOGLE-00396160 - GOOGLE-00396177	GOOGLE-01-00018240 - GOOGLE-01-00018242	GOOGLE-01-00030890 - GOOGLE-01-00030891	GOOGLE-01-00056695 - GOOGLE-01-00056697
GOOGLE-00396178 - GOOGLE-00396206	GOOGLE-01-00018428	GOOGLE-01-00030897 - GOOGLE-01-00030898	GOOGLE-01-00057655
GOOGLE-00396207 - GOOGLE-00396212	GOOGLE-01-00018470 - GOOGLE-01-00018471	GOOGLE-01-00030965 - GOOGLE-01-00030966	GOOGLE-01-00057656 - GOOGLE-01-00057710
GOOGLE-00396213 - GOOGLE-00396272	GOOGLE-01-00018538	GOOGLE-01-00031229	GOOGLE-01-00062031 - GOOGLE-01-00062032
GOOGLE-00396273 - GOOGLE-00396275	GOOGLE-01-00018539 - GOOGLE-01-00018546	GOOGLE-01-00031263 - GOOGLE-01-00031269	GOOGLE-01-00062071
GOOGLE-00396276 - GOOGLE-00396288	GOOGLE-01-00018836	GOOGLE-01-00031270 - GOOGLE-01-00031275	GOOGLE-01-00062071 - GOOGLE-01-00062088
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GOOGLE-00396308	GOOGLE-01-00019527 - GOOGLE-01-00019528	GOOGLE-01-00042282 - GOOGLE-01-00042296	GOOGLE-01-00062454 - GOOGLE-01-00062472
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GOOGLE-01-00004974 - GOOGLE-01-00004978	GOOGLE-01-00025330 - GOOGLE-01-00025334	GOOGLE-01-00050232	GOOGLE-01-00075935 - GOOGLE-01-00075936
GOOGLE-01-00004995 - GOOGLE-01-00005006	GOOGLE-01-00025375 - GOOGLE-01-00025433	GOOGLE-01-00050315 - GOOGLE-01-00050327	GOOGLE-01-00076949 - GOOGLE-01-00076951
GOOGLE-01-00006208 - GOOGLE-01-00006311	GOOGLE-01-00025376 - GOOGLE-01-00025433	GOOGLE-01-00050348 - GOOGLE-01-00050354	GOOGLE-01-00080869
GOOGLE-01-00006313 - GOOGLE-01-00006330	GOOGLE-01-00025454 - GOOGLE-01-00025457	GOOGLE-01-00050348 - GOOGLE-01-00050361	GOOGLE-01-00081161
GOOGLE-01-00006708	GOOGLE-01-00025468 - GOOGLE-01-00025472	GOOGLE-01-00050588 - GOOGLE-01-00050592	GOOGLE-01-00081703 - GOOGLE-01-00081704
GOOGLE-01-00007464	GOOGLE-01-00025505 - GOOGLE-01-00025506	GOOGLE-01-00051630 - GOOGLE-01-00051631	GOOGLE-01-00081724
GOOGLE-01-00007465 - GOOGLE-01-00007484	GOOGLE-01-00025523	GOOGLE-01-00051633 - GOOGLE-01-00051634	GOOGLE-01-00081881
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GOOGLE-01-00016596 - GOOGLE-01-00016615	GOOGLE-01-00025575 - GOOGLE-01-00025587	GOOGLE-01-00052293	GOOGLE-01-00082292 - GOOGLE-01-00082295
GOOGLE-01-00016600	GOOGLE-01-00025576 - GOOGLE-01-00025587	GOOGLE-01-00053329 - GOOGLE-01-00053330	GOOGLE-01-00082299
GOOGLE-01-00016636 - GOOGLE-01-00016653	GOOGLE-01-00025699	GOOGLE-01-00053346	GOOGLE-01-00084024
GOOGLE-01-00016726 - GOOGLE-01-00016728	GOOGLE-01-00026169	GOOGLE-01-00053551	GOOGLE-01-00084746 - GOOGLE-01-00084748
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GOOGLE-01-00016888 - GOOGLE-01-00016892	GOOGLE-01-00026813 - GOOGLE-01-00026814	GOOGLE-01-00053556	GOOGLE-01-00093736 - GOOGLE-01-00093756
GOOGLE-01-00016915 - GOOGLE-01-00016918	GOOGLE-01-00027175 - GOOGLE-01-00027176	GOOGLE-01-00053585	GOOGLE-01-00098811 - GOOGLE-01-00098812
GOOGLE-01-00017143 - GOOGLE-01-00017144	GOOGLE-01-00027566	GOOGLE-01-00054219	GOOGLE-01-00112859 - GOOGLE-01-00112861
GOOGLE-01-00017154	GOOGLE-01-00028065 - GOOGLE-01-00028073	GOOGLE-01-00054673 - GOOGLE-01-00054674	GOOGLE-01-00131959 - GOOGLE-01-00131962
GOOGLE-01-00017221	GOOGLE-01-00028402 - GOOGLE-01-00028405	GOOGLE-01-00056096 - GOOGLE-01-00056097	GOOGLE-01-00131963 - GOOGLE-01-00131965
GOOGLE-01-00136577 - GOOGLE-01-00136578	GOOGLE-01-00028497	GOOGLE-01-00056098 - GOOGLE-01-00056105	GOOGLE-01-00134769

Oracle America, Inc. v. Google, Inc.

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**Documents Produced by Google**

GOOGLE-01-00137031 - GOOGLE-01-00137032	GOOGLE-03169620	GOOGLE-03173277	GOOGLE-03173326
GOOGLE-01-00137301 - GOOGLE-01-00137305	GOOGLE-03169621	GOOGLE-03173278	GOOGLE-03173327
GOOGLE-01-00148540	GOOGLE-03169622	GOOGLE-03173279	GOOGLE-03173328
GOOGLE-02-00002849 - GOOGLE-02-00002855	GOOGLE-03169623	GOOGLE-03173280	GOOGLE-03173329
GOOGLE-02-00004627 - GOOGLE-02-00004628	GOOGLE-03169624	GOOGLE-03173281	GOOGLE-03173330
GOOGLE-02-00010504 - GOOGLE-02-00010510	GOOGLE-03169625	GOOGLE-03173282	GOOGLE-03173331
GOOGLE-02-00020474 - GOOGLE-02-00020475	GOOGLE-03169626 - GOOGLE-03169628	GOOGLE-03173283	GOOGLE-03173332
GOOGLE-02-00028118 - GOOGLE-02-00028121	GOOGLE-03169629	GOOGLE-03173284	GOOGLE-03173333
GOOGLE-02-00038403 - GOOGLE-02-00038404	GOOGLE-03169630 - GOOGLE-03169711	GOOGLE-03173285	GOOGLE-03173334
GOOGLE-02-00046845	GOOGLE-03169712 - GOOGLE-03169840	GOOGLE-03173286	GOOGLE-03173335
GOOGLE-02-00052356	GOOGLE-03169841 - GOOGLE-03169896	GOOGLE-03173287	GOOGLE-03173336
GOOGLE-02-00071475 - GOOGLE-02-00071479	GOOGLE-03169897 - GOOGLE-03169953	GOOGLE-03173288	GOOGLE-03173337
GOOGLE-02-00071778 - GOOGLE-02-00071779	GOOGLE-03169954 - GOOGLE-03170011	GOOGLE-03173289	GOOGLE-03173338
GOOGLE-02-00076017	GOOGLE-03170012 - GOOGLE-03170225	GOOGLE-03173290	GOOGLE-03173339
GOOGLE-02-00077799	GOOGLE-03170226 - GOOGLE-03170385	GOOGLE-03173291	GOOGLE-03173340
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GOOGLE-03-00048571	GOOGLE-03172381 - GOOGLE-03172609	GOOGLE-03173307	GOOGLE-03173359
GOOGLE-03-00069135	GOOGLE-03172610 - GOOGLE-03172666	GOOGLE-03173308	GOOGLE-03173360
GOOGLE-03-00069156 - GOOGLE-03-00069231	GOOGLE-03172667 - GOOGLE-03172728	GOOGLE-03173309	GOOGLE-03173361
GOOGLE-03-00079688	GOOGLE-03172729 - GOOGLE-03172744	GOOGLE-03173310	GOOGLE-03173362
GOOGLE-03-00143533 - GOOGLE-03-00143536	GOOGLE-03172786 - GOOGLE-03173262	GOOGLE-03173311	GOOGLE-03173363
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GOOGLE-03-00276320 - GOOGLE-03-00276323	GOOGLE-03173264	GOOGLE-03173313	GOOGLE-03173365
GOOGLE-03168864 - GOOGLE-03168878	GOOGLE-03173265	GOOGLE-03173314	GOOGLE-03173366
GOOGLE-03168954 - GOOGLE-03168955	GOOGLE-03173266	GOOGLE-03173315	GOOGLE-03173367
GOOGLE-03168956	GOOGLE-03173267	GOOGLE-03173316	GOOGLE-03173368
GOOGLE-03169000 - GOOGLE-03169040	GOOGLE-03173268	GOOGLE-03173317	GOOGLE-03173369
GOOGLE-03169117	GOOGLE-03173269	GOOGLE-03173318	GOOGLE-03173370
GOOGLE-03169550 - GOOGLE-03169569	GOOGLE-03173270	GOOGLE-03173319	GOOGLE-03349735
GOOGLE-03169550 - GOOGLE-03169603	GOOGLE-03173271	GOOGLE-03173320	GOOGLE-03349736 - GOOGLE-03349757
GOOGLE-03169604 - GOOGLE-03169616	GOOGLE-03173272	GOOGLE-03173321	GOOGLE-03349758 - GOOGLE-03349759
GOOGLE-03169617	GOOGLE-03173273	GOOGLE-03173322	GOOGLE-03349760 - GOOGLE-03349763
GOOGLE-03169618	GOOGLE-03173274	GOOGLE-03173323	GOOGLE-03349764
GOOGLE-03169619	GOOGLE-03173275	GOOGLE-03173324	GOOGLE-03349765
GOOGLE-03349768 - GOOGLE-03349772	GOOGLE-03173276	GOOGLE-03173325	GOOGLE-03349766 - GOOGLE-03349767



Oracle America, Inc. v. Google, Inc.  
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Documents Produced by Google

GOOGLE-03349773 - GOOGLE-03349774	GOOGLE-10-00045449 - GOOGLE-10-00045497	GOOGLE-17-00089404 - GOOGLE-17-00089408	GOOGLE-24-00011104
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Oracle America, Inc. v. Google, Inc.

## DOCUMENTS CONSIDERED

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## Documents Produced by Google

GOOGLE-26-00007510 - GOOGLE-26-00007514	GOOGLE-27-00002001 - GOOGLE-27-00002025	GOOGLE-32-00010479 - GOOGLE-32-00010480	GOOGLE-58-00005312 - GOOGLE-58-00005318
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*Oracle America, Inc. v. Google, Inc.*

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**Documents Produced by Google**

GOOGLE-67-00032330 - GOOGLE-67-00032334	GOOGLE-87-00005687 - GOOGLE-87-00005750	GOOGLE-87-00005736 - GOOGLE-87-00005799
GOOGLE-74-00034681 - GOOGLE-74-00034715	GOOGLE-87-00005688 - GOOGLE-87-00005751	GOOGLE-87-00005737 - GOOGLE-87-00005800
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	GOOGLE-87-00005735 - GOOGLE-87-00005798	



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**Documents Produced by Oracle**

OAGOOGL0000052860 - OAGOOGL0000052861	OAGOOGL0000139743 - OAGOOGL0000139757	OAGOOGL0000150908	OAGOOGL0000357233
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Oracle America, Inc. v. Google, Inc.  
DOCUMENTS CONSIDERED  
Exhibit 2

I was provided with access to a Relativity database of materials produced in this case. I reviewed the documents provided therein through keyword searches. The following list contains many of the documents I reviewed in that database, as well as other documents provided to me by counsel, though it should not be considered comprehensive.

**Documents Produced by Oracle**

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Oracle America, Inc. v. Google, Inc.  
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#### Documents Produced by Oracle

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OAGOOGL0009656074 - OAGOOGL0009656081	OAGOOGL0014009710 - OAGOOGL0014009719	OAGOOGL0029214859 - OAGOOGL0029214897	OAGOOGL0100062857 - OAGOOGL0100062887



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OAGOOGL0100064127 - OAGOOGL0100064235	OAGOOGL0100168443 - OAGOOGL0100168459	OAGOOGL2000156581	OAGOOGL3000002853 - OAGOOGL3000002858
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**DOCUMENTS CONSIDERED**  
Exhibit 2

I was provided with access to a Relativity database of materials produced in this case. I reviewed the documents provided therein through keyword searches. The following list contains *many* of the documents I reviewed in that database, as well as other documents provided to me by counsel, though it should not be considered comprehensive.

Sun/Oracle Native Documents

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Credit Suisse valuation - cover email to Credit Suisse from Sutphin).pdf  
Java Timeline - 1995-2015 (20Years).pdf

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**DOCUMENTS CONSIDERED**

Exhibit 2

I was provided with access to a Relativity database of materials produced in this case. I reviewed the documents provided therein through keyword searches. The following list contains many of the documents I reviewed in that database, as well as other documents provided to me by counsel, though it should not be considered comprehensive.

**Documents Produced by a Third Party**

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ASF00000434

ASF00000733 - AFS00000734

ASF00000755 - AFS00000756

ASF00002629

ASF00002665 - AFS00002669

ASF00003036 - AFS00003037

ASF00003210 - AFS00003213



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**DOCUMENTS CONSIDERED**

Exhibit 2

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**Depositions**

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Deposition of Aditya Kumar Agarwal, April 8, 2011 with Exhibits  
Deposition of Aditya Kumar Agarwal, May 10, 2012 with Exhibits  
Deposition of Dennis Allison, September 9, 2011 with Exhibits  
Deposition of Owen Astrachan, September 9, 2011 with Exhibits  
Deposition of David August, September 16, 2011 with Exhibits  
Deposition of Terrence Barr, December 9, 2015 with Exhibits  
Deposition of Joshua Bloch, July 8, 2011 with Exhibits  
Deposition of Daniel Bornstein, May 16, 2011 with Exhibits  
Deposition of Daniel Bornstein, July 22, 2011 with Exhibits  
Deposition of Daniel Bornstein, November 21, 2011 with Exhibits  
Deposition of Patrick Brady, July 21, 2011 with Exhibits  
Deposition of Timothy Bray, November 30, 2011 with Exhibits  
Deposition of Alan Brenner, December 15, 2015 with Exhibits  
Deposition of Rafael Camargo, September 8, 2011 with Exhibits  
Deposition of Eric Chu, April 28, 2011 with Exhibits  
Deposition of Leo Cizek, July 22, 2011 with Exhibits  
Deposition of Rachel Claflin, April 26, 2011 with Exhibits  
Deposition of Iain Cockburn, October 17, 2011 with Exhibits  
Deposition of Iain Cockburn, February 10, 2012 with Exhibits  
Deposition of Alan Cox, October 26, 2011 with Exhibits  
Deposition of Jack Davidson, September 9, 2011 with Exhibits  
Deposition of Robert Dewar, September 13, 2011 with Exhibits  
Deposition of John Duimovich, December 21, 2015 with Exhibits  
Deposition of Lawrence Ellison, August 12, 2011 with Exhibits  
Deposition of Nedim Fresko, May 10, 2011 with Exhibits  
Deposition of Craig Gering, July 20, 2011 with Exhibits  
Deposition of Anwar Ghuloum, December 9, 2015 with Exhibits

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Deposition of Jonathan Gold, December 11, 2015 with Exhibits  
Deposition of Benjamin Goldberg, September 13, 2011 with Exhibits  
Deposition of Robert Griesemer, June 23, 2011 with Exhibits  
Deposition of Vineet Gupta, July 26, 2011 with Exhibits  
Deposition of Steven Harris, July 28, 2011 with Exhibits  
Deposition of Urs Hoelzle, November 24, 2015 with Exhibits  
Deposition of David Hofert, December 1, 2015 with Exhibits  
Deposition of Jeet Kaul, August 5, 2011 with Exhibits  
Deposition of James Kearn, March 26, 2012 with Exhibits  
Deposition of Douglas Kehring, July 28, 2011 with Exhibits  
Deposition of Peter Kessler, August 4, 2011 with Exhibits  
Deposition of Peter Kessler, February 16, 2012 with Exhibits  
Deposition of Erez Landau, September 14, 2011 with Exhibits  
Deposition of Bob Lee, August 3, 2011 with Exhibits  
Deposition of Gregory Leonard, October 28, 2011 with Exhibits  
Deposition of John Levine, September 15, 2011 with Exhibits  
Deposition of Felix Lin, December 14, 2015 with Exhibits  
Deposition of Felix Lin, December 18, 2015 with Exhibits  
Deposition of Tim Lindholm, September 7, 2011 with Exhibits  
Deposition of Hiroshi Lockheimer, December 8, 2015 with Exhibits  
Deposition of Peter Lord, July 22, 2011 with Exhibits  
Deposition of David Mazières, September 8, 2011 with Exhibits  
Deposition of Andrew McFadden, May 4, 2011 with Exhibits  
Deposition of Reto Meier, December 11, 2015 with Exhibits  
Deposition of Richard Miner, May 26, 2011 with Exhibits  
Deposition of John Mitchell, September 2, 2011 with Exhibits  
Deposition of John Mitchell, September 6, 2011 with Exhibits

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**Depositions**

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Deposition of John Mitchell, September 7, 2011 with Exhibits  
Deposition of Daniel Morrill, July 12, 2011 with Exhibits  
Deposition of Geoffrey Morton, June 7, 2011 with Exhibits  
Deposition of Dipchand Nishar, September 8, 2011 with Exhibits  
Deposition of Larry Page, August 24, 2011 with Exhibits  
Deposition of John Pampuch, July 29, 2011 with Exhibits  
Deposition of Terence Parr, September 15, 2011 with Exhibits  
Deposition of Christopher Plummer, February 16, 2012 with Exhibits  
Deposition of Noel Poore, September 7, 2011 with Exhibits  
Deposition of Mark Reinhold, August 5, 2011 with Exhibits  
Deposition of Mark Reinhold, February 15, 2012 with Exhibits  
Deposition of Mike Ringhofer, December 2, 2015 with Exhibits  
Deposition of Lisa Ripley, April 14, 2011 with Exhibits  
Deposition of Hasan Rizvi, July 28, 2011 with Exhibits  
Deposition of John Rizzo, November 30, 2011 with Exhibits  
Deposition of John Rose, February 15, 2012 with Exhibits  
Deposition of Andrew Rubin, April 5, 2011 with Exhibits  
Deposition of Andrew Rubin, July 27, 2011, 30(b)(6) and Individual with Exhibits  
Deposition of Andrew Rubin, August 18, 2011 with Exhibits  
Deposition of Andrew Rubin, April 27, 2012 with Exhibits  
Deposition of Billy Rutledge, December 9, 2015 with Exhibits  
Deposition of Georges Saab, December 16, 2015 with Exhibits  
Deposition of Eric Schmidt, August 23, 2011 with Exhibits  
Deposition of Jonathan Schwartz, July 20, 2011 with Exhibits  
Deposition of Edward Screven, July 29, 2011, 30(b)(6) and Individual with Exhibits  
Deposition of Edward Senteno, November 18, 2015 with Exhibits  
Deposition of Steven Shugan, September 26, 2011 with Exhibits



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**Depositions**

Deposition of Param Singh, June 23, 2011 with Exhibits  
Deposition of Donald Smith, November 20, 2015 with Exhibits  
Deposition of Brian Swetland, July 7, 2011 with Exhibits  
Deposition of Robert Vandette, September 7, 2011 with Exhibits  
Deposition of Mark Wayne, December 3, 2015 with Exhibits  
Deposition of Susan Wojcicki, August 31, 2011 with Exhibits  
Deposition of Hinkmond B. Wong, February 16, 2012 with Exhibits

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**Expert Reports**

Expert Report of Dr. Iain M. Cockburn Regarding Patent and Copyright Damages, May 20, 2011  
Opening Expert Report of John C. Mitchell Regarding Copyrights, July 29, 2011  
Opening Expert Report of Alan Purdy Regarding Copyrights, July 29, 2011, Revised August 18, 2011  
Opening Expert Report of Marc Visnick Regarding Copyrights, July 29, 2011  
Opening Expert Report of Dr. Owen Astrachan Regarding Copyrights, July 29, 2011  
Expert Report of Dennis Allison Regarding the Invalidity of U.S. Patent No. RE 38,104, August 8, 2011  
Expert Report of Dennis Allison Regarding the Invalidity of U.S. Patent No. 7,426,720, August 8, 2011  
Expert Report of Dr. Robert B.K. Dewar Regarding Invalidity of U.S. Patent No. 6,061,520, August 8, 2011  
Expert Report of Dr. John Levine Regarding Invalidity of U.S. Patent No. 6,910,205, August 8, 2011  
Expert Report of Dr. John Levine Regarding Invalidity of U.S. Patent No. 5,966,702, August 8, 2011  
Expert Report of Dr. David Mazières Regarding the Invalidity of U.S. Patent No. 6,125,447 Patent, August 8, 2011  
Expert Report of Dr. David Mazières Regarding the Invalidity of U.S. Patent No. 6,192,476 Patent, August 8, 2011  
Opening Expert Report of John C. Mitchell Regarding Patent Infringement, August 8, 2011  
Summary and Report of Erez Landau Regarding Infringement of U.S. Patent No. 7,426,720, August 8, 2011  
Summary and Report of Noel Poore Regarding Infringement of U.S. Patent Nos. 5,966,702 and 6,061,520, August 8, 2011  
Summary and Report of Robert ("Bob") G. Vandette Regarding Infringement of U.S. Patent Nos. RE 38,104 and 6,910,205, August 8, 2011

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**Expert Reports**

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Dr. John C. Mitchell's Report in Opposition to Dr. Owen Astrachan's Opening Expert Report Regarding Copyrights, August 12, 2011  
 Rebuttal Expert Report of Dr. Owen Astrachan Regarding Copyrights, August 12, 2011  
 Reply Expert Report of John C. Mitchell Regarding Copyrights, August 19, 2011  
 Reply Expert Report of Alan Purdy Regarding Copyrights, August 19, 2011  
 Reply to Dr. Mitchell's Opposition to Dr. Owen Astrachan's Opening Expert Report Regarding Copyrights, August 19, 2011  
 Expert Report of Dr. Jack W. Davidson Regarding the Non-Infringement of U.S. Patent No. 7,426,720, August 25, 2011  
 Expert Report of Dr. David Mazières Regarding Non-Infringement of U.S. Patent Nos. 6,125,447 and 6,129,476, August 25, 2011  
 Expert Report of Dr. Terence Parr Regarding Non-Infringement of U.S. Patent No. 6,061,520, August 25, 2011  
 Expert Report of Dr. Terence Parr Regarding Non-Infringement of U.S. Patent No. 5,966,702, August 25, 2011  
 Expert Report of Dr. Benjamin F. Goldberg Regarding Validity of Patents-in-Suit, August 25, 2011  
 Expert Reply Report of Dennis Allison Regarding the Invalidity of U.S. Patent No. RE 38,104, September 1, 2011  
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 Expert Reply Report of Dr. David Mazières Regarding Invalidity of U.S. Patent Nos. 6,125,447 and 6,129,476, September 1, 2011  
 Reply Expert Report of John C. Mitchell Regarding Patent Infringement, September 1, 2011  
 Expert Report of Dr. Iain M. Cockburn Regarding Patent and Copyright Damages, September 12, 2011, Revised September 15, 2011  
 Expert Report of Dr. Steven M. Shugan Regarding Consumer Preferences for Smartphone Features, September 12, 2011  
 Supplemental Summary and Report of Erez Landau Regarding Infringement of U.S. Patent No. 7,426,720, September 12, 2011  
 Expert Report of Dr. Alan J. Cox Regarding Copyright Damages, October 3, 2011, Revised October 21, 2011, November 25, 2011, and April 15, 2012  
 Expert Report of Dr. Gregory K. Leonard Regarding Patent Damages, October 3, 2011, Revised October 24, 2011  
 Reply Expert Report of Dr. Iain M. Cockburn to the Expert Report of Dr. Alan J. Cox Regarding Copyright Damages, October 10, 2011  
 Reply Expert Report of Dr. Iain M. Cockburn to the Expert Report of Dr. Gregory K. Leonard Regarding Patent Damages, October 10, 2011  
 Expert Rebuttal Report of Dr. Kenneth Serwin to the Expert Report of Dr. Gregory Leonard Regarding Patent Damages, October 10, 2011  
 Expert Rebuttal Report of Dr. Kenneth Serwin to the Expert Report of Dr. Alan J. Cox Regarding Copyright Damages, October 10, 2011  
 Expert Reply Report of Dr. Steven M. Shugan Regarding Consumer Preferences for Smartphone Features, October 10, 2011  
 Expert Report of Dr. Iain M. Cockburn Regarding Patent and Copyright Damages, February 3, 2012, Revised February 9, 2012  
 Supplemental Expert Report of Dennis Allison Regarding the Invalidity of U.S. Patent No. 7,426,720, February 14, 2012

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**Expert Reports**

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Supplemental Expert Report of Dr. Alan J. Cox Regarding Copyright Damages, February 17, 2012, Revised April 15, 2012  
Supplemental Expert Report of Dr. Gregory K. Leonard Regarding Patent Damages, February 17, 2012  
Supplemental Expert Report of Dr. John Levine Regarding Invalidity of U.S. Patent No. 5,966,702, March 11, 2012  
Supplemental Expert Report of Dr. John Levine Regarding Invalidity of U.S. Patent No. 6,910,205, March 16, 2012  
Expert Report of Dr. James Kearl Regarding Patent and Copyright Damages, March 21, 2012  
Expert Report of Chris F. Kemerer, Ph.D., January 8, 2016  
Expert Report of Professor Douglas C. Schmidt, Ph.D., January 8, 2016  
Expert Report of Robert Zeidman, January 8, 2016

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**Trial Testimony & Exhibits**

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*Oracle America, Inc. v. Google, Inc.*, Case No. 3:10-cv-03561 WHA, Trial Transcripts April 16, 2012 - May 4, 2012  
2012.04.16 - Trial Transcript Phase 1, Vol. 1.pdf  
2012.04.17 - Trial Transcript Phase 1, Vol. 2.PDF  
2012.04.18 - Trial Transcript Phase 1, Vol. 3.PDF  
2012.04.19 - Trial Transcript Phase 1, Vol. 4.PDF  
2012.04.20 - Trial Transcript Phase 1, Vol. 5.PDF  
2012.04.23 - Trial Transcript Phase 1, Vol. 6.PDF  
2012.04.24 - Trial Transcript Phase 1, Vol. 7.PDF  
2012.04.25 - Trial Transcript Phase 1, Vol. 8.PDF  
2012.04.26 - Trial Transcript Phase 1, Vol. 9.PDF  
2012.04.27 - Trial Transcript Phase 1, Vol. 10.PDF  
2012.04.27 - Trial Transcript Phase 1, Vol. 11.PDF  
2012.04.30 - Trial Transcript Phase 1, Vol. 12.pdf  
2012.05.01 - Trial Transcript Phase 1, Vol. 13.pdf  
2012.05.02 - Trial Transcript Phase 1, Vol. 14.pdf



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**Trial Testimony & Exhibits**

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2012.05.03 - Trial Transcript Phase 1, Vol. 15.pdf

2012.05.04 - Trial Transcript Phase 1, Vol. 16.pdf

TX 0001

TX 0003

TX 0007

TX 0008

TX 0010

TX 0012

TX 0013

TX 0017

TX 0018

TX 0021

TX 0022

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TX 0024

TX 0026

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TX 0196  
TX 0201  
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TX 0207  
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TX 0215  
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TX 0382  
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TX 0610.1  
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TX 0917  
TX 1026  
TX 1029  
TX 1045

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**Trial Testimony & Exhibits**

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TX 1047  
TX 1050  
TX 1051  
TX 1056  
TX 1061  
TX 1074  
TX 1082  
TX 1083  
TX 1084  
TX 1085  
TX 1086  
TX 1087  
TX 1088  
TX 1089  
TX 2009  
TX 2195  
TX 2347  
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**DOCUMENTS CONSIDERED**

Exhibit 2

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**Additional Research**

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**Additional Research**

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## Exhibit 3

## Oracle Timeline of Selected Events

- Mid-nineties** Sun develops the Java platform for computer programming and releases it. At that time, the API included seven packages of pre-written programs.<sup>1</sup>
- 1996** At the first-ever JavaOne developer conference, more than 6,000 attendees gather to learn more about Java technology. According to Sun, “[w]ith a broad range of Java-related product announcements from Sun and other companies and an exhibit hall filled with more than 160 businesses displaying Java products and services, it appears that a whole new industry is growing around a language launched just a year earlier.”<sup>2</sup>
- 1997** “With approximately 400,000 developers working in Java, it is now the #2 programming language in the world. More than 10,000 developers flock to the second annual JavaOne developer conference, where Sun announces improved security and compatibility for Java and a range of licensees who plan to take Java beyond the desktop in futuristic devices such as smartcards.”<sup>3</sup>
- 1999** “Sun announces a redefined architecture for the Java platform that makes it simpler for software developers, service providers, and device manufacturers to target specific markets. According to Sun, “[w]ith the introduction of Java 2 Platform, Standard Edition (J2SE) for desktop and workstation devices; Java 2 Platform, Enterprise Edition (J2EE) for heavy-duty server systems; and Java 2 Platform, Micro Edition (J2ME) for consumer devices, it’s now easier to capitalize on the Java platform for a growing range of opportunities.”<sup>4</sup>
- 2004** According to Sun, “[a]t the JavaOne developer conference, the big debate is whether Java should be open sourced. Currently, Sun requires that projects officially based on Java be certified as compatible with the Java specification; amendments to Java must go through Java Community Process (JCP) procedures.”
- “Open source advocates seek a freer path for Java. During a panel discussion at JavaOne, representatives from IBM and the Apache Software Foundation endorse an open source model for Java, while Java creator and Sun Fellow James Gosling, along with Sun Vice President and Fellow Rob Gingell and Red Monk Analyst James Governor oppose the move. Gosling warns that allowing multiple, open source implementations of Java technologies could yield the incompatibilities that happened with Unix and is happening again with Linux distributions.”<sup>5</sup>

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<sup>1</sup> Java Timeline, 1995 – 2015, available at <http://oracle.com.edgesuite.net/timeline/java>; Trial Testimony of Mark Reinhold, Trial Transcript Vol. 3, April 18, 2012, p. 631.

<sup>2</sup> Java Timeline, 1995 – 2015, available at <http://oracle.com.edgesuite.net/timeline/java>.

<sup>3</sup> Java Timeline, 1995 – 2015, available at <http://oracle.com.edgesuite.net/timeline/java>.

<sup>4</sup> Java Timeline, 1995 – 2015, available at <http://oracle.com.edgesuite.net/timeline/java>.

<sup>5</sup> Java Timeline, 1995 – 2015, available at <http://oracle.com.edgesuite.net/timeline/java>.



**2005** Java celebrates its tenth anniversary with huge celebrations at the JavaOne developer conference and at Sun headquarters. Sun estimates Java now drives more than \$100 billion of business annually. It counts more than 4.5 million Java developers, 2.5 billion Java-enabled devices, and 1 billion Java technology-enabled smart cards. Analyst firm Ovum estimates that 708 million Java-enabled handsets were circulating by June 2005.<sup>6</sup>

**Jul 11, 2005** Google acquires Android Inc.<sup>7</sup> as part of its mobile strategy. At the time, Android was a 22-month old start up based in Palo Alto, California. The acquisition “brings to Google a wealth of talent, including co-founder Andy Rubin, who previously started mobile-device maker Danger Inc.”<sup>8</sup>

**2005-2006** Shortly after Google acquired Android, Inc.,<sup>9</sup> Sun and Google engage in a series of negotiations, which Sun referred to as “Project Armstrong.”<sup>10</sup>

**Sep 2005** - Sun sends Google draft agreements for standard Java ME licenses; Google indicates it is seeking an approach that would allow an open-source implementation.<sup>11</sup>

**Oct 11, 2005** – “In October 2005, following “discussions with Sun regarding Android’s Open Source VM strategy,” Google’s then Senior Vice President, Andy Rubin, remarked in an e-mail, “If Sun doesn’t want to work with us, we have two options: 1) Abandon our work and adopt MSFT CLR VM and C# language – or – 2) Do Java anyway and defend our decision, perhaps making enemies along the way.”<sup>12</sup>

In addition, Andy Rubin writes to Larry Page that Alan Brenner of Sun was concerned that “by open sourcing our J2ME VM we will make licensing ‘enforceability’ impossible for Sun – and he will lose revenue.”<sup>13</sup>

**Jan 2006** – Andy Rubin tells Sergey Brin and Larry Page that, in connection with the Android deal, Sun was “prepared to walk away from a \$100M annual J2ME licensing business into an open source business model.”<sup>14</sup> [REDACTED]

[REDACTED]

[REDACTED].<sup>15</sup>

**Jan 2006** – “Google internally discussed a possible co-development partnership deal under which Java technology would become an open-source part of the Android platform. The deal was projected to cost Google \$25-50 million, plus a negotiable share of revenue from

<sup>6</sup> Java Timeline, 1995 – 2015, available at <http://oracle.com.edgesuite.net/timeline/java>.

<sup>7</sup> Trial Exhibit 1061 at 131; see also, GOOGLE-01-00056184 – 202 at 195; Deposition of Andrew Rubin, April 5, 2011, p. 20.

<sup>8</sup> “Google Buys Android for Its Mobile Arsenal”, Bloomberg Businessweek, August 16, 2005.

<sup>9</sup> Deposition of Andrew Rubin, April 5, 2011, pp. 12-13.

<sup>10</sup> Project Armstrong: Business Model, February 2006, OAGOOGL0100166874 – 899.

<sup>11</sup> Email exchange between Leo Cizek and Andy Rubin, September 19, 2005, OAGOOGL0100167795 – 798 at 797.

<sup>12</sup> GOOGLE-01-00019527-528 at 528; Deposition of Andrew Rubin, April 5, 2011, p. 20.

<sup>13</sup> Email between Andy Rubin and Larry Page, October 11, 2005, GOOGLE-01-00019527 – 528 at 527.

<sup>14</sup> Email from Andy Rubin to Sergey Brin, et al., January 13, 2006, GOOGLE-26-00007930.

<sup>15</sup> [REDACTED], OAGOOGL0100072597; Deposition of Eric Chu, April 28, 2011, p. 50.

“platform-enabled mobile ads.” The record however, contains no evidence that Google actually proposed this idea to Sun.”<sup>16</sup>

**Feb. 8, 2006** – The first formal financial proposal made by Sun to Google – proposes “\$20 Million per year for 3 year” and “10% of revenue generated by Google on handsets running ‘Open Source Java Linux Mobile Platform’ or derivatives with a cap of \$25 Million a year (when and if google monetizes – then this becomes effective. We added the cap as per Rich’s request . . .)”<sup>17</sup> Google rejected Sun’s offer.<sup>18</sup>

**Apr. 27, 2006** – Email from Jonathan Schwartz of Sun to Eric Schmidt of Google indicating that “[m]y team has alerted me that our negotiations to jointly create a Java-Linux mobile platform are at an impasse.”<sup>19</sup>

**Jan. 2007** Apple introduces the iPhone.

**Apr. 2007** Sun acquires SavaJe, a Java-based smartphone platform, for an estimated \$13.2M.<sup>20</sup>

**June 2007** The iPhone is first available for sale.

**Nov. 2007** Google publicly announces the Android platform.<sup>21</sup>

**2008** Google and Sun engage in additional discussions regarding a license.<sup>22</sup>

**Nov. 2008** Google releases Android and launches the Android phone.<sup>23</sup>

**Mar. 2009**

[REDACTED]  
[REDACTED]<sup>24</sup>

**Apr. 19 2009** Oracle and Sun enter into the 2010 Sun/Oracle Merger.<sup>25</sup>

**Jan. 2010** Oracle acquires Sun and renames it Oracle America, Inc.<sup>26</sup>

**May 2010** Google TV, Google’s first attempt to create a TV platform based on Android, is announced on several devices, such as Sony Internet TV and the Logitech Revue, a set-top box device.<sup>27</sup>

<sup>16</sup> Order Granting In Part Motion to Strike Damages Report of Plaintiff Expert Iain Cockburn, July 22, 2011, p. 3.

<sup>17</sup> Email from Vineet Gupta to Andy Rubin, February 8, 2006, OAGOOGL00000357494.

<sup>18</sup> OAGOOGL00000358110 ..

<sup>19</sup> Email from Jonathan Schwartz to Eric Schmidt, et al., April 27, 2006, GOOGLE-66-00000274.

<sup>20</sup> OAGOOGL00000424812 – 813 at 812; OAGOOGL00002304236-243 at 237.

<sup>21</sup> Order Granting In Part Motion to Strike Damages Report of Plaintiff Expert Iain Cockburn, July 22, 2011, p. 3.

<sup>22</sup> Deposition of Andrew Rubin, April 5, 2011, p. 14.

<sup>23</sup> Deposition of Andrew Rubin, April 5, 2011, p. 14. (But see, T-Mobile Unveils the T-Mobile G1 – the First Phone Powered by Android, [http://www.t-mobile.com/company/PressReleases\\_Article.aspx?assetName=Prs\\_Prs\\_20080923](http://www.t-mobile.com/company/PressReleases_Article.aspx?assetName=Prs_Prs_20080923) which indicates October 2008).

<sup>24</sup> OAGOOGL00000140115-130.

<sup>25</sup> Sun 2009 Form 10-K, p. 3.

<sup>26</sup> <http://www.bloomberg.com/research/stocks/private/snapshot.asp?privcapId=34903>

<sup>27</sup> <https://googleblog.blogspot.com/2010/05/announcing-google-tv-tv-meets-web-web.html>;  
<http://www.engadget.com/2010/06/18/logitech-revue-gets-official-google-tv-companion-box-coming-thi/>;  
<http://www.sony.net/SonyInfo/News/Press/201005/10-0521BE/>.

- Aug 6, 2010** Rubin receives an internal (Google) email stating that the technical alternatives to using Java for Android “all suck” and stating “We conclude that we need to negotiate a license for Java under the terms we need.”<sup>28</sup>
- Aug 12, 2010** Oracle files its initial complaint in this action.<sup>29</sup>
- Oct. 28, 2010** According to the Supplemental Complaint, from this date “Google has continued to infringe Oracle’s copyrights in the Java platform. Since then, Google has released seven versions of Android:
- Gingerbread (released December 2010);
  - Honeycomb (released February 2011);
  - Ice Cream Sandwich (released October 2011);
  - Jelly Bean (released July 2012)
  - KitKat (released October 2013); and
  - Lollipop (released November 2014).<sup>30</sup>
  - Marshmallow (released October 5, 2015).<sup>31</sup>

“These six named Android releases comprise approximately 40 major and minor releases of Android. . . . As with the previous versions of Android, these six Android releases copy thousands of lines of source code from the Java platform, as well as the structure, sequence and organization (“SSO”) of that platform as reflected in the asserted 37 Java API packages.”<sup>32</sup>

According to the Supplemental Complaint:

- Android will still not work without these Java API packages.”<sup>33</sup>
- Since Oracle filed the Amended Complaint in October 2010, Android has become the most widely used mobile platform in the world.<sup>34</sup>
- There are over one billion active monthly Android users and more than 8,000 different devices running versions of Android.<sup>35</sup>
- Users have downloaded more than 50 billion applications from Google Play on a catalog of more than 1.5 million apps.<sup>36</sup>

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<sup>28</sup> Trial Exhibit 10 – GOOGLE-12-10000022; GOOGLE-12-00039565; Deposition of Tim Lindholm, September 7, 2011, p. 102.

<sup>29</sup> Complaint for Patent and Copyright Infringement, August 12, 2010.

<sup>30</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 1.

<sup>31</sup> <http://www.pocket-lint.com/news/134946-when-is-android-6-0-marshmallow-coming-to-my-phone>.

<sup>32</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 1.

<sup>33</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 1.

<sup>34</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 2.

<sup>35</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 3.

<sup>36</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 3.

- Android use is also up as measured by advertising. By some accounts, Android is now the top mobile advertising platform as measured by total advertising revenue and by traffic.<sup>37</sup>

- Oct 2010** Google TV devices launch.<sup>38</sup>
- May 2011** Android hits 100 million activated Android devices.<sup>39</sup>
- May 2011** Google announces Android@Home, “a software framework for Android that allows programmers to interact with various connected appliances such as light bulbs, thermostats, washing machines and more,” at Google I/O.<sup>40</sup>
- Apr. 16, 2012** Trial begins in the matter of *Oracle v. Google*. The jury and court hear testimony from 24 witnesses.<sup>41</sup>
- May 7, 2012** The jury returned a verdict finding that Google infringed Oracle’s copyrights for the 37 asserted Java API packages and in the nine lines of the rangeCheck code. The jury deadlocked on Google’s fair use defense.<sup>42</sup>
- May 31, 2012** U.S. District Court for the Northern District of California issues preliminary decision finding “that the replicated elements of the Java API packages – including the declarations and their structure, sequence, and organization-were not copyrightable.”<sup>43</sup>
- Jun 20, 2012** The U.S. District Court for the Northern District of California enters final judgment in favor of Google and against Oracle on its claim for copyright infringement, except with respect to the rangeCheck function and the eight decompiled files.<sup>44</sup>
- 2012** Android cumulative activations exceed 500 million.<sup>45</sup>
- 2013** Android cumulative activations exceed 1 billion.<sup>46</sup>
- May 9, 2014** The United States Court of Appeals for the Federal Circuit (“CAFC”) issues opinion concluding “that the declaring code and the structure, sequence, and organization of the API packages are entitled to copyright protection.”<sup>47</sup> The CAFC reversed the U.S. District Court

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<sup>37</sup> Plaintiff Oracle’s Supplemental Complaint, August 12, 2015, p. 3, (reporting Android has three times the market share of mobile ad traffic as compared to its nearest competitor, iOS).

<sup>38</sup> <http://www.engadget.com/2010/10/06/logitech-revue-with-google-tv-details-299-for-keyboard-box-i/>; <http://www.cnet.com/products/sony-nxz-gt1-google-tv/>; <http://www.theverge.com/products/nsx-24gt1/2024>; <http://www.theverge.com/products/nsx-40gt1/2018>; <http://www.theverge.com/products/nsx-32gt1/2021>; <http://www.theverge.com/products/nsx-46gt1/2013>.

<sup>39</sup> <https://googleblog.blogspot.com/2011/05/android-momentum-mobile-and-more-at.html>.

<sup>40</sup> [http://www.pcworld.com/article/227611/Google\\_Envisions\\_Automated\\_Home\\_with\\_Android\\_Home.html](http://www.pcworld.com/article/227611/Google_Envisions_Automated_Home_with_Android_Home.html).

<sup>41</sup> *Oracle America, Inc. v. Google Inc.*, 750 F.3d 1339, 1351 (Fed. Cir. 2014).

<sup>42</sup> *Oracle America, Inc. v. Google Inc.*, 750 F.3d 1339, 1352 (Fed. Cir. 2014).

<sup>43</sup> *Oracle America, Inc. v. Google Inc.*, 750 F.3d 1339, 1352 (Fed. Cir. 2014).

<sup>44</sup> *Oracle America, Inc. v. Google Inc.*, 750 F.3d 1339, 1348 (Fed. Cir. 2014).

<sup>45</sup> GOOG-00022382.

<sup>46</sup> GOOG-00022382.

<sup>47</sup> *Oracle America, Inc. v. Google Inc.*, 750 F.3d 1339 at 1348 (Fed. Cir. 2014).



for the Northern District of California with instructions to reinstate the jury's infringement finding as to the 37 Java packages. The CAFC also granted "Oracle's motion for JMOL as to the eight decompiled Java files that Google copied into Android," and denied "Google's motion for JMOL with respect to the rangeCheck function."<sup>48</sup>

- Oct. 2014** Android TV, Google's successor Android-based platform to Google TV, is announced on the Nexus Player, a set-top box device.<sup>49</sup>
- 2014** Android cumulative activations exceed 2 billion.<sup>50</sup>

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<sup>48</sup> *Oracle America, Inc. v. Google Inc.*, 750 F.3d 1339 at 1348 (Fed. Cir. 2014).

<sup>49</sup> Nexus Player is Google's first Android TV device, <http://www.theverge.com/2014/10/15/6982375/google-nexus-player-android-tv-set-top-box-announced>.

<sup>50</sup> GOOG-00022382.

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**SUN MICROSYSTEMS INC R&D AS A PERCENT OF REVENUE**

Exhibit 4

	<u>Revenue</u>	<u>R&amp;D</u>	<u>R&amp;D as a Percent of Revenue</u>
1990 [1]	\$ 2,466,000,000	\$ 302,000,000	12.2%
1991 [1]	3,221,000,000	356,000,000	11.1%
1992 [1]	3,589,000,000	382,000,000	10.6%
1993 [1]	4,309,000,000	445,000,000	10.3%
1994 [1]	4,690,000,000	455,000,000	9.7%
1995 [2]	5,901,885,000	562,895,000	9.5%
1996 [2]	7,094,751,000	653,044,000	9.2%
1997 [2]	8,598,346,000	825,968,000	9.6%
1998 [3]	9,862,000,000	1,029,000,000	10.4%
1999 [3]	11,806,000,000	1,280,000,000	10.8%
2000 [4]	15,721,000,000	1,630,000,000	10.4%
2001 [4]	18,250,000,000	2,016,000,000	11.0%
2002 [4]	12,496,000,000	1,832,000,000	14.7%
2003 [4]	11,434,000,000	1,837,000,000	16.1%
2004 [4]	11,185,000,000	1,926,000,000	17.2%
2005 [5]	11,070,000,000	1,785,000,000	16.1%
2006 [5]	13,068,000,000	2,046,000,000	15.7%
2007 [5]	13,873,000,000	2,008,000,000	14.5%
2008 [5]	13,880,000,000	1,834,000,000	13.2%
2009 [5]	11,449,000,000	1,648,000,000	14.4%
Total	<u>\$ 193,963,982,000</u>	<u>\$ 24,852,907,000</u>	<u>12.8%</u>

**Notes:**

- [1] Sun Microsystems, Inc. SEC Form 10-K for the fiscal year ended June 30, 1994, Exhibit 13, p. 1.
- [2] Sun Microsystems, Inc. SEC Form 10-K for the fiscal year ended June 30, 1997, Exhibit 11, p. 26.
- [3] Sun Microsystems, Inc. SEC Form 10-K for the fiscal year ended June 30, 2002, p. 21.
- [4] Sun Microsystems, Inc. SEC Form 10-K for the fiscal year ended June 30, 2004, p. 17.
- [5] Sun Microsystems, Inc. SEC Form 10-K for the fiscal year ended June 30, 2009, p. 25.

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## ORACLE STATEMENT OF OPERATIONS

Exhibit 5

(in millions)	FY 2010 [1]	FY 2011 [1]	FY 2012 [1]	FY 2013 [2]	FY 2014 [2]	FY 2015 [2]
<b>Revenues</b>						
New Software Licenses	\$ 7,533	\$ 9,235	\$ 9,906	\$ 9,411	\$ 9,416	\$ 8,535
Cloud Software as a Service and Platform as a Service	n/a	n/a	n/a	910	1,121	1,485
Cloud Infrastructure as a Service	n/a	n/a	n/a	457	456	608
Software License Updates and Product Support	13,092	14,796	16,210	17,142	18,206	18,847
Software and Cloud Revenues	\$ 20,625	\$ 24,031	\$ 26,116	\$ 27,920	\$ 29,199	\$ 29,475
Hardware Systems Products	\$ 1,506	\$ 4,382	\$ 3,827	\$ 3,033	\$ 2,976	\$ 2,825
Hardware Systems Support	784	2,562	2,475	2,313	2,396	2,380
Hardware Systems Revenues	\$ 2,290	\$ 6,944	\$ 6,302	\$ 5,346	\$ 5,372	\$ 5,205
Services Revenues	\$ 3,905	\$ 4,647	\$ 4,703	\$ 3,914	\$ 3,704	\$ 3,546
<b>Total Revenues</b>	<b>\$ 26,820</b>	<b>\$ 35,622</b>	<b>\$ 37,121</b>	<b>\$ 37,180</b>	<b>\$ 38,275</b>	<b>\$ 38,226</b>
<b>Operating Expenses</b>						
Sales and Marketing	\$ 5,080	\$ 6,579	\$ 7,127	\$ 7,062	\$ 7,567	\$ 7,655
Cloud Software as a Service and Platform as a Service	n/a	n/a	n/a	327	455	773
Cloud Infrastructure as a Service	n/a	n/a	n/a	304	308	344
Software License Updates and Product Support	1,063	1,264	1,226	1,175	1,162	1,199
Hardware Systems Products	880	2,057	1,843	1,501	1,521	1,471
Hardware Systems Support	423	1,259	1,046	890	836	816
Services	3,398	3,818	3,743	3,182	2,954	2,929
Research and Development	3,254	4,519	4,523	4,850	5,151	5,524
General and Administrative	911	970	1,126	1,072	1,038	1,077
Amortization of Intangible Assets	1,973	2,428	2,430	2,385	2,300	2,149
Acquisition Related and Other	154	208	56	(604)	41	211
Restructuring	622	487	295	352	183	207
<b>Total Operating Expenses</b>	<b>\$ 17,758</b>	<b>\$ 23,589</b>	<b>\$ 23,415</b>	<b>\$ 22,496</b>	<b>\$ 23,516</b>	<b>\$ 24,355</b>
<b>Operating Income</b>	<b>\$ 9,062</b>	<b>\$ 12,033</b>	<b>\$ 13,706</b>	<b>\$ 14,684</b>	<b>\$ 14,759</b>	<b>\$ 13,871</b>
<i>Operating Income %</i>	<i>33.8%</i>	<i>33.8%</i>	<i>36.9%</i>	<i>39.5%</i>	<i>38.6%</i>	<i>36.3%</i>
Interest Expense	(754)	(808)	(766)	(797)	(914)	(1,143)
Non-Operating Income (Expense), net	(65)	186	22	11	(141)	106
<b>Income Before Provision for Income Taxes</b>	<b>\$ 8,243</b>	<b>\$ 11,411</b>	<b>\$ 12,962</b>	<b>\$ 13,898</b>	<b>\$ 13,704</b>	<b>\$ 12,834</b>
<b>Provision for Income Taxes</b>	<b>2,108</b>	<b>2,864</b>	<b>2,981</b>	<b>2,973</b>	<b>2,749</b>	<b>2,896</b>
<b>Net Income</b>	<b>\$ 6,135</b>	<b>\$ 8,547</b>	<b>\$ 9,981</b>	<b>\$ 10,925</b>	<b>\$ 10,955</b>	<b>\$ 9,938</b>
<i>Net Income %</i>	<i>22.9%</i>	<i>24.0%</i>	<i>26.9%</i>	<i>29.4%</i>	<i>28.6%</i>	<i>26.0%</i>

**Notes:**

[1] Oracle Annual Report, 10-K for fiscal year ended May 31, 2012, p. 85.

[2] Oracle Annual Report, 10-K for fiscal year ended May 31, 2015, p. 87.

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## GOOGLE ANNUAL STATEMENTS OF INCOME

Exhibit 6

(in millions)	2008 [1]	2009 [2]	2010 [2]	2011 [2]	2012 [3]	2013 [3]	2014 [3]
Advertising Revenues							
Google Websites	\$ 14,414	\$ 15,723	\$ 19,444	\$ 26,145	\$ 31,221	\$ 37,422	\$ 45,085
Google Network Members Websites [4]	6,715	7,166	8,792	10,386	12,465	13,125	13,971
Total Advertising Revenues	21,129	22,889	28,236	36,531	43,686	50,547	59,056
Other Revenues [5]	667	762	1,085	1,374	2,353	4,972	6,945
Total Revenue	<u>\$ 21,796</u>	<u>\$ 23,651</u>	<u>\$ 29,321</u>	<u>\$ 37,905</u>	<u>\$ 46,039</u>	<u>\$ 55,519</u>	<u>\$ 66,001</u>
Cost and Expenses							
Cost of Revenues	\$ 8,622	\$ 8,844	\$ 10,417	\$ 13,188	\$ 17,176	\$ 21,993	\$ 25,691
Research & Development	2,793	2,843	3,762	5,162	6,083	7,137	9,832
Sales and Marketing	1,946	1,984	2,799	4,589	5,465	6,554	8,131
General and Administrative	1,803	1,668	1,962	2,724	3,481	4,432	5,851
Charge - Resolution of DOJ Investigation	-	-	-	500	-	-	-
Total Costs and Expenses	<u>\$ 15,164</u>	<u>\$ 15,339</u>	<u>\$ 18,940</u>	<u>\$ 26,163</u>	<u>\$ 32,205</u>	<u>\$ 40,116</u>	<u>\$ 49,505</u>
Income from Operations	\$ 6,632	\$ 8,312	\$ 10,381	\$ 11,742	\$ 13,834	\$ 15,403	\$ 16,496
Impairment of Equity Investments	(1,095)	-	-	-	-	-	-
Interest and other income, net	316	69	415	584	635	496	763
Income from Continuing Ops Before IT	\$ 5,854	\$ 8,381	\$ 10,796	\$ 12,326	\$ 14,469	\$ 15,899	\$ 17,259
Provision for Income Taxes	1,627	1,861	2,291	2,589	2,916	2,552	3,331
Net Income from Continuing Operations	\$ 4,227	\$ 6,520	\$ 8,505	\$ 9,737	\$ 11,553	\$ 13,347	\$ 13,928
Net Income (Loss) from Discontinued Ops	-	-	-	-	(816)	(427)	516
Net Income	<u>\$ 4,227</u>	<u>\$ 6,520</u>	<u>\$ 8,505</u>	<u>\$ 9,737</u>	<u>\$ 10,737</u>	<u>\$ 12,920</u>	<u>\$ 14,444</u>

**Notes:**

[1] Google Annual Report, 10-K for year ended December 31, 2008, pp. 42, 65.

[2] Google Annual Report, 10-K for year ended December 31, 2011, pp. 30, 52.

[3] Google Annual Report, 10-K for year ended December 31, 2014, pp. 23, 44.

[4] "Our revenues from Google Network Members' websites include revenues generated primarily through advertising programs including AdSense for search, AdSense for content, AdExchange, AdMob, and DoubleClick Bid Manager." Google Annual Report, 10-K for year ended December 31, 2014, p. 23.

[5] Other Revenues are mostly attributable to digital content products, such as apps, music, and movies on the Google Play store. See Google Annual Report, 10-K for year ended December 31, 2014, p. 24.



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**SUMMARY OF ANDROID REPORTED OPERATING RESULTS**

Exhibit 7

<i>(in millions)</i>	<u>2008 [1]</u>	<u>2009 [2]</u>	<u>2010 [3]</u>	<u>2011 [4]</u>	<u>2012 [4]</u>	<u>2013 [4]</u>	<u>2014 [4]</u>	<u>2015 [4]</u>	<u>Total</u>
<b>Revenue</b>									
Ad Revenue [5]	\$0.7	\$15.7	\$120.1	\$569.4	\$2,152.4				
Apps	0.0	1.1	8.0	36.2	136.1				
Digital Content	0.0	0.0	0.0	14.8	105.8				
Hardware	0.0	0.0	115.2	0.0	303.5				
Total Revenue	0.7	16.8	243.3	620.4	2,697.8				
<b>Cost of Sales</b>									
Traffic Acquisition Costs [6]	0.2	2.9	41.3	113.7	433.1				
Apps	0.0	0.0	0.0	0.0	62.2				
Digital Content	0.0	0.0	0.0	23.5	169.5				
Hardware	0.0	0.0	109.9	-0.2	340.6				
Infrastructure & Other COS	0.2	0.8	4.3	67.9	95.0				
Total Cost of Sales	0.4	3.7	155.5	204.9	1,100.4				
Gross Profit	\$0.3	\$13.1	\$87.8	\$415.5	\$1,597.4				
<b>Direct Operating Expenses</b>									
Sales	\$0.9	\$3.2	\$5.2	\$16.3	\$37.2				
Marketing	12.3	16.6	53.3	53.9	225.3				
PM	0.0	1.9	8.0	0.0	0.0				
Engineering (EngPM)	86.3	41.2	99.7	192.3	380.4				
G&A	1.0	0.0	0.0	0.0	0.0				
Legal	0.0	2.1	32.2	160.5	113.7				
Other	0.0	0.0	0.0	0.0	0.1				
Total Expenses	\$100.5	\$65.0	\$198.4	\$423.0	\$756.7				
Product Contribution	-\$100.2	-\$51.9	-\$110.6	-\$7.5	\$840.7				
Contribution Margin as % of Gross Rev			-45.5%	-1.2%	31.2%				

**Notes:**

[1] Android OC Quarterly Review - Q1 2009, GOOGLE-00303725 at 739.

[2] Android OC Quarterly Review - Q4 2010, October 12, 2010, GOOGLE-01-00053552 at 556.

[3] Android OC Quarterly Review - Q1 2011, May 03, 2011, GOOGLE-77-00053555 at 562.

[4] GOOG-00103813 - Android Profit and Loss for years 2011 to 2015, Q4 2015 amounts are Google forecasts.

[5] Exhibit 8.1.

[6] TAC for 2011 to 2015 from Exhibit 7.1.

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*Oracle America, Inc. v. Google, Inc.*

**CALCULATION OF ANDROID ESTIMATED NETWORK MEMBER TRAFFIC ACQUISITION COSTS**

Exhibit 7.1

<i>(in millions)</i>	<u>2011 [1]</u>	<u>2012 [2]</u>	<u>2013 [2]</u>	<u>2014 [2]</u>	<u>2015 [3]</u>
Google Total Ad Revenue	\$36,531.0	\$43,686.0	\$50,547.0	\$59,056.0	n/a
Total Network Member TAC	<u>\$7,294.0</u>	<u>\$8,791.0</u>	<u>\$9,293.0</u>	<u>\$9,864.0</u>	<u>n/a</u>
[4] Network Member TAC as % of Ad Revenue	20.0%	20.1%	18.4%	16.7%	██████
Android Total Ad Revenue	\$569.4	\$2,152.4	██████	██████	██████
Android Network Member TAC	<u>\$113.7</u>	<u>\$433.1</u>	<u>██████</u>	<u>██████</u>	<u>██████</u>

**Notes:**

[1] Google 2011 Form 10-K, p. 30 and 33.

[2] Google 2014 Form 10-K, p. 23 and 26.

[3] Exhibit 7

[4] TAC for 2015 is 15%; Deposition of Jonathan Gold, December 11, 2015, p. 189.

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**ANDROID TOTAL REVENUE FROM 2008 TO 2015**

Exhibit 8

<i>(in millions)</i>	<u>2008 [1]</u>	<u>2009 [2]</u>	<u>2010 [3]</u>	<u>2011 [4]</u>	<u>2012 [4]</u>	<u>2013 [4]</u>	<u>2014 [4]</u>	<u>2015 [4]</u>	<u>Total</u>
Ads [5]	\$ 0.7	\$ 15.7	\$ 120.1	\$ 569.4	\$ 2,152.4				
App Sales	N/A	1.1	8.0	36.2	136.1				
Digital Content	N/A	-	-	14.8	105.8				
Hardware	N/A	-	115.2	-	303.5				
Total	<u>\$ 0.7</u>	<u>\$ 16.8</u>	<u>\$ 243.3</u>	<u>\$ 620.4</u>	<u>\$ 2,697.8</u>				

**Notes:**

[1] Android OC Quarterly Review - Q1 2009, GOOGLE-00303725 at 739.

[2] Android OC Quarterly Review - Q4 2010, October 12, 2010, GOOGLE-01-00053552 at 556.

[3] Android OC Quarterly Review - Q1 2011, May 03, 2011, GOOGLE-77-00053555 at 562.

[4] Android P&L, GOOG-00103813.

[5] Exhibit 8.1. 2015 Ad Revenue is annualized based on six months ending June 30, 2015.

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**ANDROID AD REVENUE FROM 2008 TO 2015**

Exhibit 8.1

<i>(in millions)</i>	<u>2008 [1]</u>	<u>2009 [2]</u>	<u>2010 [3]</u>	<u>2011 [4]</u>	<u>2012 [5]</u>	<u>2013 [5]</u>	<u>2014 [5]</u>	<u>2015 [5] [6]</u>	<u>Total</u>
Ads (General)	\$ 0.7	\$ 15.7	\$ 120.1	\$ 569.4	\$ -	\$ -	\$ -	\$ -	\$ 705.9
Search (AdWords)	-	-	-	-	1,444.9	████████	████████	████████	████████
AdSense	-	-	-	-	238.6	██████	██████	██████	██████
Display	-	-	-	-	468.9	████████	████████	████████	████████
Total Ad Revenue	<u>\$ 0.7</u>	<u>\$ 15.7</u>	<u>\$ 120.1</u>	<u>\$ 569.4</u>	<u>\$ 2,152.4</u>	<u>████████</u>	<u>████████</u>	<u>████████</u>	<u>████████</u>

**Notes:**

[1] Android OC Quarterly Review - Q1 2009, GOOGLE-00303725 at 739.

[2] Android OC Quarterly Review - Q4 2010, October 12, 2010, GOOGLE-01-00053552 at 556.

[3] Android OC Quarterly Review - Q1 2011, May 03, 2011, GOOGLE-77-00053555 at 562.

[4] GOOG-00132625, tabs "Final - Legal" and Final -Backup" (Cell AI9).

[5] Android Ad Revenues, GOOG-00022386.

[6] 2015 Ad revenue is annualized based on six months ending June 30, 2015.

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**ANDROID DEVICE WORLDWIDE ANNUAL UNIT SALES AS REPORTED BY GARTNER**

Exhibit 9

	2008	2009	2010	2011	2012	2013	2014	Annualized 2015	Total
Android Phones	-	6,798,400 [1]	67,224,500 [1]	219,440,200 [2]	451,621,000 [3]	761,288,000 [4]	1,004,675,000 [4]	1,133,616,000 [5]	3,644,663,100
Android Tablets	-	-	2,786,000 [6]	18,030,000 [6]	53,341,250 [7]	120,961,445 [7]	154,700,000 [8]	139,800,000 [9]	489,618,695
Total Android Units	-	6,798,400	70,010,500	237,470,200	504,962,250	882,249,445	1,159,375,000	1,273,416,000	4,134,281,795

**Notes:**

[1] <http://www.cnet.com/news/gartner-android-ranks-2nd-in-global-smartphones/>.

[2] [http://www.pcworld.com/article/228218/Gartner\\_Android\\_Dominates\\_Smartphone\\_Sales\\_Worldwide.html](http://www.pcworld.com/article/228218/Gartner_Android_Dominates_Smartphone_Sales_Worldwide.html); <http://www.computerweekly.com/news/2240105329/Worldwide-smartphone-sales-grow-74-in-second-quarter-of-2011-says-Gartner>; <http://www.winrumors.com/gartner-windows-phone-sales-flat-in-q3-2011/>; <http://www.gartner.com/newsroom/id/1924314>.

[3] <http://www.gartner.com/newsroom/id/2665715>.

[4] <http://www.gartner.com/newsroom/id/2996817>.

[5] <http://www.gartner.com/newsroom/id/3061917>; <http://www.gartner.com/newsroom/id/3115517>; <http://www.gartner.com/newsroom/id/3169417>; Annualized by estimating Q4 2015 to equal Q3 2015.

[6] <http://cluster006.ovh.net/~nobeyesco/nobeyscoweb/?q=node/948>.

[7] <http://the-digital-reader.com/2014/03/03/gartner-estimates-195-million-tablets-produced-2013-22-million-fewer-idcs-estimate/>.

[8] <http://venturebeat.com/2015/03/12/idc-tablet-shipment-growth-slows-to-a-crawl-will-grow-just-2-in-2015/>.

[9] <http://www.idc.com/getdoc.jsp?containerId=prUS25867215>; 2015 amounts provided as forecast for the entire year.



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## SMARTPHONE DEVICE WORLDWIDE ANNUAL UNIT SALES BY VENDOR

Exhibit 10

Units	2003 [1]	2004 [1]	2005 [2]	2006 [2]	2007 [3]	2008 [3]	2009 [4]	2010 [4]	2011 [5]	2012 [6]	2013 [7]	2014 [7]	Annualized 2015 [8]	Total
Palm One	4,171,690	3,726,172	2,773,025	1,970,031	-	-	-	-	-	-	-	-	-	12,640,918
Hewlett-Packard	2,270,086	2,664,151	2,267,178	1,721,531	-	-	-	-	-	-	-	-	-	8,922,946
RIM	604,521	2,178,000	3,193,000	3,510,927	11,767,700	23,149,000	36,445,233	47,782,003	49,159,250	-	-	-	-	177,789,634
Mio Technology	-	-	714,528	1,515,496	-	-	-	-	-	-	-	-	-	2,230,024
Dell	582,020	693,126	-	-	-	-	-	-	-	-	-	-	-	1,275,146
Sony Ericsson	1,404,289	480,648	-	-	-	-	4,925,031	9,954,584	-	-	-	-	-	16,764,552
Sharp	-	-	536,340	1,428,318	6,885,300	5,234,200	-	-	-	-	-	-	-	14,084,358
Nokia	-	-	-	-	60,465,000	60,920,500	66,980,427	99,545,839	74,364,189	-	-	-	-	362,275,955
Apple	-	-	-	-	3,302,600	11,417,500	24,625,157	47,782,003	89,660,316	130,133,200	150,786,000	191,426,000	200,386,500	849,519,275
HTC	-	-	-	-	3,718,500	5,895,400	8,865,057	24,886,460	41,847,894	-	-	-	-	85,213,310
Samsung	-	-	-	-	-	-	6,895,044	23,891,001	90,429,932	205,767,100	299,795,000	307,597,000	320,368,900	1,254,743,977
TCL Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lenovo	-	-	-	-	-	-	-	-	-	21,698,500	57,424,000	81,416,000	70,172,300	230,710,800
LG Electronics	-	-	-	-	-	-	3,940,025	6,968,209	-	25,814,100	46,432,000	57,661,000	15,428,000	156,243,334
ZTE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Huawei	-	-	-	-	-	-	-	-	-	27,168,700	46,609,000	68,081,000	98,452,400	240,311,100
Motorola	-	-	-	-	-	-	6,895,044	13,936,417	-	-	-	-	-	20,831,461
Yulong	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xiaomi	-	-	-	-	-	-	-	-	-	-	-	-	50,459,300	50,459,300
Other	2,490,435	2,544,422	5,497,869	7,596,989	36,176,600	32,671,400	12,805,082	21,900,085	127,275,319	269,526,600	368,675,000	538,710,000	616,150,500	2,042,020,301
Total	11,523,041	12,286,519	14,982,140	17,743,292	122,315,600	139,287,900	172,376,100	296,646,600	472,736,900	680,108,200	969,721,000	1,244,890,000	1,371,417,900	5,526,035,192
Cumulative	11,523,041	23,809,560	38,791,700	56,534,992	178,850,592	318,138,492	490,514,592	787,161,192	1,259,898,092	1,940,006,292	2,909,727,292	4,154,617,292	5,526,035,192	

## Notes:

[1] <http://www.palminfocenter.com/news/7613/gartner-worldwide-pda-shipments-grew-7-in-2004/>.[2] <http://www.gartner.com/newsroom/id/500898>.[3] <http://www.gartner.com/newsroom/id/910112>.[4] Units from [http://www.quirksmode.org/blog/archives/2011/02/smartphone\\_sale.html](http://www.quirksmode.org/blog/archives/2011/02/smartphone_sale.html) multiplied by 98.5% in 2009 and 99.5% in 2010 in order to reconcile the differences in unit totals between the 'by vendor' and 'by operating system' data in exhibits 10 and 11 [Total Units from Exhibit 11 / Total Units from source].[5] Units from <http://www.idc.com/getdoc.jsp?containerId=prUS23299912> multiplied by 96.2% in order to reconcile the differences in unit totals between the 'by vendor' and 'by operating system' data in exhibits 10 and 11 [Total Units from Exhibit 11 / Total Units from source].[6] <http://www.gartner.com/newsroom/id/2665715>.[7] <http://www.gartner.com/newsroom/id/2996817>.[8] <http://www.gartner.com/newsroom/id/3061917>; <http://www.gartner.com/newsroom/id/3115517>; <http://www.gartner.com/newsroom/id/3169417>; Annualized by estimating Q4 2015 to equal Q3 2015.

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SMARTPHONE DEVICE WORLDWIDE ANNUAL UNIT SALES BY OPERATING SYSTEM

Exhibit 11

Units	2003 [1]	2004 [1]	2005 [2]	2006 [2]	2007 [3]	2008 [3]	2009 [4]	2010 [4]	2011 [5]	2012 [6]	2013 [7]	2014 [7]	Annualized 2015 [8]	Total
Windows CE	4,344,186	5,283,203	7,173,005	9,954,082	14,698,000	16,498,100	15,031,000	12,378,200	9,843,400	16,940,700	30,714,000	35,133,000	28,217,000	206,207,877
Palm OS	5,761,521	4,460,006	2,960,795	2,074,765	1,762,700	2,507,200	-	-	-	-	-	-	-	19,526,987
REM	-	-	3,193,000	3,510,927	11,767,700	23,149,000	34,346,600	47,451,600	51,541,900	34,210,300	18,606,000	7,911,000	4,432,000	240,120,027
Symbian	-	-	1,010,000	950,100	77,684,000	72,933,500	80,878,300	111,576,700	88,410,200	-	-	-	-	433,442,800
iOS	-	-	-	-	3,302,600	11,417,500	24,889,700	46,598,300	89,263,300	130,133,200	150,786,000	191,426,000	200,387,000	848,203,600
Android	-	-	-	-	-	-	6,798,400	67,224,500	219,440,200	451,621,000	761,288,000	1,004,675,000	1,133,616,000	3,644,663,100
Other	1,417,334	2,543,309	645,340	1,253,418	13,100,700	12,782,600	10,432,100	11,417,400	14,238,000	47,203,000	8,327,000	5,745,000	4,764,900	133,870,101
Total	11,523,041	12,286,519	14,982,140	17,743,292	122,315,600	139,287,900	172,376,100	296,646,600	472,736,900	680,108,200	969,721,000	1,244,890,000	1,371,417,900	5,526,035,192

**Notes:**

[1] Market Share from <http://www.palminfocenter.com/news/7613/gartner-worldwide-pda-shipments-grew-7-in-2004/> multiplied by Total Units from Exhibit 10.

[2] <http://www.gartner.com/newsroom/id/500898>.

[3] <http://www.gartner.com/newsroom/id/910112>.

[4] <http://www.cnet.com/news/gartner-android-ranks-2nd-in-global-smartphones/>.

[5] [http://www.pcworld.com/article/228218/Gartner\\_Android\\_Dominates\\_Smartphone\\_Sales\\_Worldwide.html](http://www.pcworld.com/article/228218/Gartner_Android_Dominates_Smartphone_Sales_Worldwide.html); <http://www.computerweekly.com/news/2240105329/Worldwide-smartphone-sales-grow-74-in-second-quarter-of-2011-says-Gartner>; <http://www.winumors.com/gartner-windows-phone-sales-flat-in-q3-2011/>; <http://www.gartner.com/newsroom/id/1924314>.

[6] <http://www.gartner.com/newsroom/id/2665715>.

[7] <http://www.gartner.com/newsroom/id/2996817>.

[8] <http://www.gartner.com/newsroom/id/3061917>; <http://www.gartner.com/newsroom/id/3115517>; <http://www.gartner.com/newsroom/id/3169417>; Annualized by estimating Q4 2015 to equal Q3 2015.

[9] The annualized 2015 unit total was adjusted by 1,000 units in order to reconcile the difference in unit totals between the 'by vendor' and 'by operating system' data in exhibits 10 and 11.

*Oracle America, Inc. v. Google, Inc.***CALCULATION OF JAVA ME LICENSING LOST PROFITS, 2009-2015**

Exhibit 12

	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>Total</u>
[1] Lost Java ME Licensing Revenue	\$ 32,744,771	\$ 39,741,318	\$ 28,375,252	\$ 14,329,644	\$ 91,350,258	█ [REDACTED]	█ [REDACTED]	\$ 557,661,673
[2] Incremental Expenses	<u>5,757,473</u>	<u>6,987,667</u>	<u>2,842,248</u>	<u>1,404,667</u>	<u>8,681,513</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>82,248,738</u>
Lost Java ME Licensing Profits	<u>\$ 26,987,299</u>	<u>\$ 32,753,651</u>	<u>\$ 25,533,004</u>	<u>\$ 12,924,977</u>	<u>\$ 82,668,745</u>	<u>\$ [REDACTED]</u>	<u>\$ [REDACTED]</u>	<u>\$ 475,412,935</u>

**Notes:**

[1] Exhibit 12.2.

[2] Exhibit 12.1.

*Oracle America, Inc. v. Google, Inc.***CALCULATION OF INCREMENTAL EXPENSES**

Exhibit 12.1

	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>Total</u>
[1] Lost Java ME Revenue	\$ 32,744,771	\$ 39,741,318	\$ 28,375,252	\$ 14,329,644	\$ 91,350,258	\$ [REDACTED]	\$ [REDACTED]	\$ 557,661,673
[2] Incremental COGS	7.6%	7.6%	n/a	n/a	n/a	[REDACTED]	[REDACTED]	n/a
[2] Incremental Sales Expense	10.0%	10.0%	n/a	n/a	n/a	[REDACTED]	[REDACTED]	n/a

**Notes:**

[1] Exhibit 12.2.

[2] Exhibit 12.7, Applied 2006 COGS and Sales percentages to years 2009 and 2010.

[3] Exhibit 12.6.

*Oracle America, Inc. v. Google, Inc.***CALCULATION OF LOST JAVA ME LICENSING REVENUES**

Exhibit 12.2

	2009	2010	2011	2012	2013	2014	2015	Total
[1] Java ME Forecasted Licensing Revenue	\$ 129,696,000	\$ 140,399,000	\$ 151,985,252	\$ 164,527,644	\$ 178,105,082			\$ 1,166,229,765
■								

**Notes:**

[1] Exhibit 12.3.

[2] Exhibit 12.4.



*Oracle America, Inc. v. Google, Inc.*

**JAVA ME LICENSING REVENUE FORECASTS**

Exhibit 12.3

<i>(in thousands)</i>	<u>2009 [1]</u>	<u>2010 [1]</u>	<u>2011 [2]</u>	<u>2012 [2]</u>	<u>2013 [2]</u>	<u>2014 [2]</u>	<u>2015 [2]</u>	<u>Total</u>
Total Forecasted Licensing Revenue	\$ 129,696	\$ 140,399	\$ 151,985	\$ 164,528	\$ 178,105	\$ 192,803	\$ 208,714	\$ 1,166,230
2009-2010 Java ME Licensing Growth Rate	<i>n/a</i>	8.3%	8.3%	8.3%	8.3%	8.3%	8.3%	<i>n/a</i>

**Notes:**

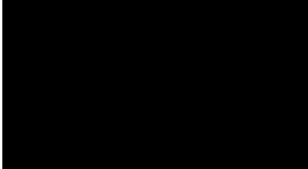
[1] OAGOOGL0100164541.

[2] For 2011 forward, I applied the 2009-2010 growth rate to project licensing revenue.

*Oracle America, Inc. v. Google, Inc.*

**ACTUAL JAVA ME LICENSING REVENUE, 2009-2015**

Exhibit 12.4

	<u>2009 [1]</u>	<u>2010 [1]</u>	<u>2011 [2]</u>	<u>2012 [2]</u>	<u>2013 [2]</u>	<u>2014 [2]</u>	<u>2015 [2]</u>	<u>Total</u>
Java ME Licensing Revenue	\$ 95,282,235	\$ 98,922,651	\$ 123,610,000	\$ 150,198,000	\$ 86,754,824			\$ 605,164,066
Embedded ME Licensing Revenue	1,668,993	1,735,032	-	-	-			3,404,025
Total Java ME Licensing Revenue	<u>\$ 96,951,229</u>	<u>\$ 100,657,682</u>	<u>\$ 123,610,000</u>	<u>\$ 150,198,000</u>	<u>\$ 86,754,824</u>			<u>\$ 608,568,092</u>
Java ME Licensing YoY Growth	<i>n/a</i>	<i>3.8%</i>	<i>22.8%</i>	<i>21.5%</i>	<i>-42.2%</i>			<i>n/a</i>

**Notes:**

[1] OAGOOGL0000702509, tab 'Mapping'.

[2] OAGOOGL02000003713, tab 'Lic Revenue by Product'.

Oracle America, Inc. v. Google, Inc.

**SUMMARY OF ORACLE JAVA ME LICENSING FORECASTS, 2009-2015**

Exhibit 12.5

(in thousands)	October 8 2010 Forecast						
	2009	2010	2011	2012	2013	2014	2015 [5]
[1] Java ME	\$ 129,696	\$ 140,399	\$ -	\$ -	\$ -	\$ -	\$ -
[2] Java ME Licensing	-	-	85,000	95,200	119,000	148,750	185,938
Embedded ME Licensing	-	-	2,000	2,500	3,125	3,906	4,883
Total Forecasted Licensing Revenue	\$ 129,696	\$ 140,399	\$ 87,000	\$ 97,700	\$ 122,125	\$ 152,656	\$ 190,820
Java ME Licensing YoY Growth	n/a	8.3%	-38.0%	12.3%	25.0%	25.0%	25.0%

(in thousands)	October 11 2010 Forecast						
	2009	2010	2011	2012	2013	2014	2015 [5]
[1] Java ME	\$ 129,696	\$ 140,399	\$ -	\$ -	\$ -	\$ -	\$ -
[3] Java ME Licensing	-	-	85,000	87,550	94,554	108,737	125,048
Embedded ME Licensing	-	-	2,000	2,500	3,125	3,906	4,883
Total Forecasted Licensing Revenue	\$ 129,696	\$ 140,399	\$ 87,000	\$ 90,050	\$ 97,679	\$ 112,643	\$ 129,930
Java ME Licensing YoY Growth	n/a	8.3%	-38.0%	3.5%	8.5%	15.3%	15.3%

(in thousands)							
	2009	2010	2011	2012	2013	2014	2015 [5]
[1] Java ME	\$ 129,696	\$ 140,399	\$ -	\$ -	\$ -	\$ -	\$ -
[4] Java ME Licensing	-	-	66,331	71,514	78,363	86,357	95,165
Embedded ME Licensing	-	-	8,873	8,873	10,204	11,734	13,495
Total Forecasted Licensing Revenue	\$ 129,696	\$ 140,399	\$ 75,204	\$ 80,387	\$ 88,567	\$ 98,091	\$ 108,660
Java ME Licensing YoY Growth	n/a	8.3%	-46.4%	6.9%	10.2%	10.8%	10.8%

**Notes:**

[1] OAGOOGL0100164541.

See "Strategic Forecast" scenario, at p. 3, for 2009-2010 forecasts. I have assumed that Java ME means licensing and possibly access fee revenue.

[2] OAGOOGL0000702509.

[3] OAGOOGL0000702677.

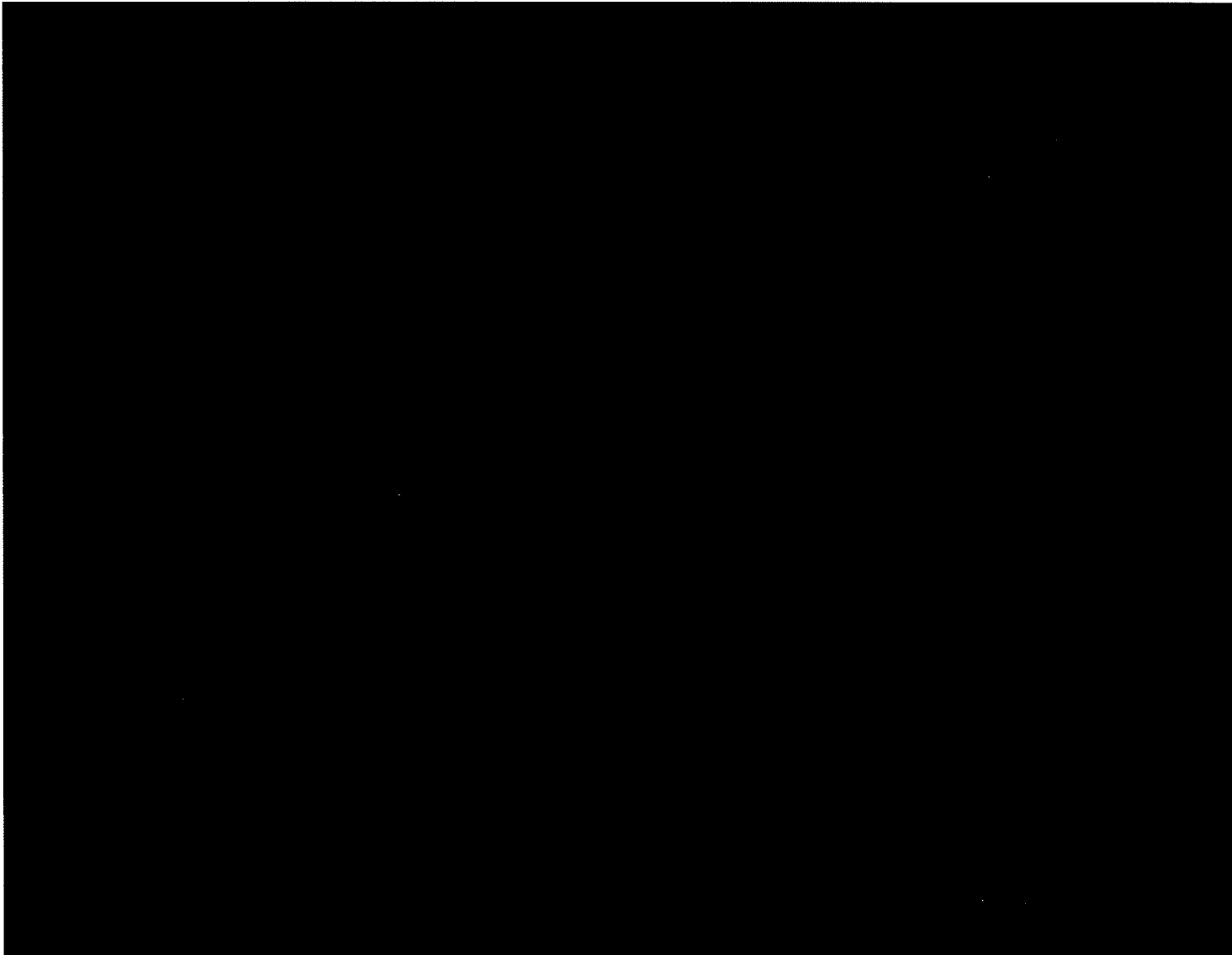
[4] OAGOOGL0002809491.

[5] 2015 estimated using growth rate from 2013 to 2014.

*Oracle America, Inc. v. Google, Inc.*

**ORACLE JAVA FINANCIALS, 2011-2015 [1]**

Exhibit 12.6



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Oracle America, Inc. v. Google, Inc.

**SUN 2006 JAVA ME PROFIT & LOSS [1]**

Exhibit 12.7

	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>	<u>2006</u>
Revenue	\$ 22,210	\$ 22,838	\$ 25,050	\$ 28,151	\$ 98,249
COGS	1,408	1,710	2,161	2,171	\$ 7,450
<i>COGS as a % of Revenue</i>	<i>6.3%</i>	<i>7.5%</i>	<i>8.6%</i>	<i>7.7%</i>	<i>7.6%</i>
Gross Profit	20,802	21,128	22,889	25,980	90,799
<i>Gross Profit as a % of Revenue</i>	<i>93.7%</i>	<i>92.5%</i>	<i>91.4%</i>	<i>92.3%</i>	<i>92.4%</i>
Engineering	7,845	8,859	7,506	8,631	32,841
Marketing	3,497	4,052	4,052	3,682	15,283
Sales	2,221	2,284	2,505	2,815	9,825
<i>Sales as a % of Revenue</i>	<i>10%</i>	<i>10%</i>	<i>10%</i>	<i>10%</i>	<i>10%</i>
Total Operating Expenses	13,563	15,195	14,063	15,128	57,949
Contribution Margin	\$ 7,239	\$ 5,933	\$ 8,826	\$ 10,852	\$ 32,850
<i>Contribution Margin as a % of Revenue</i>	<i>32.6%</i>	<i>26.0%</i>	<i>35.2%</i>	<i>38.5%</i>	<i>33.4%</i>

**Notes:**














[1] OAGOOGL0005039944 - 962, at 946.



Oracle America, Inc. v. Google, Inc.

## JAVA CLIENT P&amp;L/FORECAST, 2007-2014 [1]

Exhibit 12.8

<i>(in millions)</i>	<u>Actual 2007</u>	<u>Actual 2008</u>	<u>Forecast 2009</u>	<u>Forecast 2010</u>	<u>Forecast 2011</u>	<u>Forecast 2012</u>	<u>Forecast 2013</u>	<u>Forecast 2014</u>	<u>Total</u>
Java Client									
Product Billings (Distribution)	\$ 189	\$ 177	\$ 170	\$ 190	\$ 219	\$ 257	\$ 302	\$ 	\$ 1,854
Distribution	30	43	80	80	80	80	80		553
Total Product Billings	219	220	250	270	299	337	382		2,407
Total Services	-	-	-	-	-	-	-	-	-
YoY Growth	<i>n/a</i>	1.0%	13.6%	8.0%	10.7%	12.7%	13.4%		<i>n/a</i>
Total	219	220	250	270	299	337	382		2,407
Cost of Goods Sold	20	19	29	29	35	40	44		266
Cost of Goods Sold as a % of Billings	9.1%	8.6%	11.6%	10.7%	11.7%	11.9%	11.5%		11.1%
Product Gross Margin	199	201	221	241	264	297	338		2,141
Product Gross Margin as a % of Billings	90.9%	91.4%	88.4%	89.3%	88.3%	88.1%	88.5%		88.9%
RDE	142	117	122	122	122	121	122		990
RDE as a % of Billings	64.8%	53.2%	48.8%	45.2%	40.8%	35.9%	31.9%		41.1%
Contribution Margin	\$ 57	\$ 84	\$ 99	\$ 119	\$ 142	\$ 176	\$ 216	\$ 	\$ 1,151
Contribution Margin % of Billings	26.0%	38.2%	39.6%	44.1%	47.5%	52.2%	56.5%		47.8%

Notes:

[1] OAGOOGL0003973858.

Oracle America, Inc. v. Google, Inc.

**SUMMARY OF JAVA LICENSING OPERATING COSTS, 2013-2015 [1]**

Exhibit 12.9

<i>(in thousands)</i>	2013	2014	2015	Total
Revenue	\$ 315,997	\$		\$ 671,454
Salaries	12,994			39,726
Commissions/Bonus	7,382			19,480
Benefits	3,889			11,679
Travel and Entertainment	2,646			6,359
Total Employee Related Expense	26,910			77,244
Documentation and Media	2			15
Facilities	971			3,071
Profess and Recruiting Fees	225			370
Miscellaneous	(158)			83
Third Party Royalties and Referral Fees	0			0
Computers, Voice and Data	506			1,385
Marketing Communications	1,487			4,026
External Contractor Costs	51			47
COGS	1			1
New - Support Services Cost	4			5
Resource Sharing Expense	-			0
Eng Projects/Tooling /NRE	43			45
Total Other Operating Expenses	3,131			9,048
Total Operating Expense	\$ 30,041	\$		\$ 86,292
<i>Operating Expense as a % of Revenue</i>	<i>9.5%</i>			<i>12.9%</i>

**Notes:**

[1] OAGOOGL2000003715, tab 'OPEX and License Trend by Qtr'.

*Oracle America, Inc. v. Google, Inc.*

**JAVA ME MARGINS, 2005-2011 [1]**

Exhibit 12.10

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011 [2]</u>	<u>Total</u>
Total Java ME Billings	\$ 51,372,066	\$ 90,079,950	\$ 109,853,211	\$ 99,196,919	\$ 97,654,250	\$ 95,514,722	\$ 12,353,593	\$ 556,024,711
Total Java ME Costs	<u>18,076,254</u>	<u>19,646,798</u>	<u>23,674,253</u>	<u>22,177,130</u>	<u>21,196,439</u>	<u>21,661,190</u>	<u>2,848,732</u>	<u>129,280,795</u>
Java ME Costs as a % of Billings	35.2%	21.8%	21.6%	22.4%	21.7%	22.7%	23.1%	23.3%
YoY Java ME Billings Growth	n/a	75.3%	22.0%	-9.7%	-1.6%	-2.2%	n/a	n/a
Java ME Margin	<u>\$ 33,295,812</u>	<u>\$ 70,433,152</u>	<u>\$ 86,178,958</u>	<u>\$ 77,019,789</u>	<u>\$ 76,457,811</u>	<u>\$ 73,853,532</u>	<u>\$ 9,504,862</u>	<u>\$ 426,743,916</u>
Java ME Margin as a % of Billings	64.8%	78.2%	78.4%	77.6%	78.3%	77.3%	76.9%	76.7%

**Notes:**

[1] OAGOOOGLE0100167800.

[2] The data for 2011 only cover the first two months of the year.

*Oracle America, Inc. v. Google, Inc.***WORLDWIDE AND U.S. AVERAGE QUARTERLY ANDROID ACTIVE DEVICES 2011 TO Q3 2015 [1]**

Exhibit 13

<b>2011</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Worldwide				
1 Day Active	n/a	34,992,314	46,532,375	65,362,805
7 Day Active	n/a	39,765,306	53,137,135	75,183,084
30 Day Active	n/a	43,861,343	59,043,833	83,439,479
U.S.				
1 Day Active	n/a	33,438,657	38,218,747	43,927,623
7 Day Active	n/a	35,345,233	40,643,609	47,391,673
30 Day Active	n/a	38,213,405	44,346,758	51,831,126
<b>2012</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Worldwide				
1 Day Active	92,873,866	119,842,961	159,626,230	210,592,088
7 Day Active	106,314,674	137,733,862	185,162,807	243,188,891
30 Day Active	118,149,476	153,590,819	208,481,616	271,752,550
U.S.				
1 Day Active	51,887,807	56,122,314	61,244,147	66,580,660
7 Day Active	55,761,712	60,620,460	66,412,093	72,368,792
30 Day Active	61,288,888	66,939,863	73,781,260	80,533,480
<b>2013</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>
Worldwide				
1 Day Active	273,008,213	327,418,816	389,229,940	462,970,777
7 Day Active	315,358,630	379,862,824	454,640,556	540,439,669
30 Day Active	352,417,625	425,955,145	513,855,987	609,728,349
U.S.				
1 Day Active	74,186,714	79,154,177	84,086,912	89,630,226
7 Day Active	80,798,867	86,481,545	92,101,347	98,096,607
30 Day Active	90,182,817	96,623,684	103,506,196	109,462,499

*Oracle America, Inc. v. Google, Inc.*

**WORLDWIDE AND U.S. AVERAGE QUARTERLY ANDROID ACTIVE DEVICES 2011 TO Q3 2015 [1]**

Exhibit 13

<u>2014</u>	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>
Worldwide				
1 Day Active	549,718,992	623,311,089	698,794,200	777,210,624
7 Day Active	644,423,936	732,828,044	825,638,442	920,308,003
30 Day Active	729,626,040	832,458,580	944,999,606	1,052,499,975
U.S.				
1 Day Active	99,336,915	103,794,363	107,189,544	113,277,086
7 Day Active	109,400,723	115,014,584	118,818,874	125,216,654
30 Day Active	122,891,172	130,686,992	134,773,832	141,489,790
<u>2015</u>	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>
Worldwide				
1 Day Active	819,679,543	882,831,753	935,564,392	n/a
7 Day Active	982,791,460	1,067,157,974	1,128,226,129	n/a
30 Day Active	1,145,798,487	1,227,717,446	1,313,689,665	n/a
U.S.				
1 Day Active	121,790,857	124,487,408	128,122,166	n/a
7 Day Active	135,166,407	138,511,580	143,030,896	n/a
30 Day Active	153,394,387	157,579,560	164,020,710	n/a

**Notes:**

[1] GOOG-00022382, all figures are quarterly averages.